

# Some Observations on Forty-six Years of Ohio Weather

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AGRICULTURAL EXPERIMENT STATION  
Wooster, Ohio



The Ohio State University

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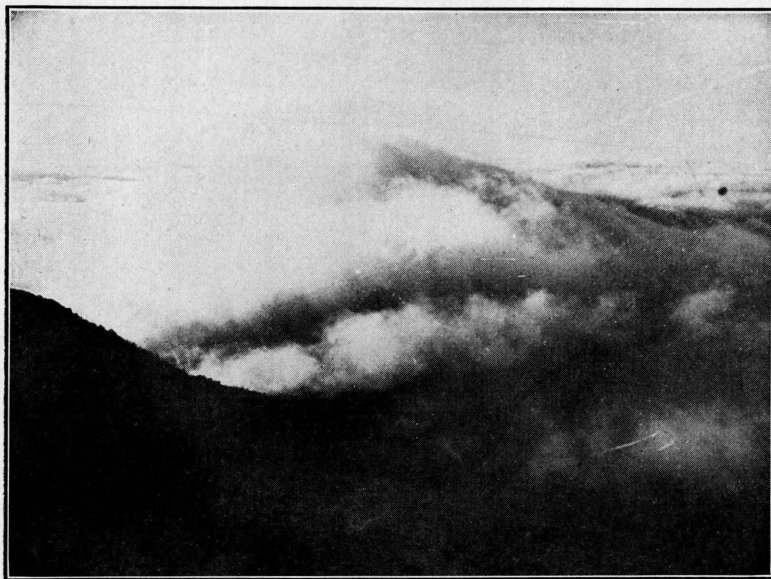
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Strato-cumulus clouds



A fog-filled valley as seen from a mountain top

The above illustrations are from *A Climatological History of Ohio* by W. H. Alexander.

# **SOME OBSERVATIONS ON FORTY-SIX YEARS OF OHIO WEATHER**

**C. A. PATTON**

## **INTRODUCTION**

This bulletin is intended as a supplement to Bulletin 445, "The Climate of Ohio". The tabular matter of Bulletin 445 ended with the year 1928. The present publication includes the data at Wooster and at the District and County Farms for all of the years during which records were kept to the end of 1933. The temperature and rainfall data for the District and County Farms were taken by the superintendents in charge of the work on these farms. Also, in this bulletin will be found the meteorological data recorded at the Ohio Agricultural Experiment Station at Wooster and other points in the State, as well as the mean temperature and precipitation for the State as a whole. The data in the tables for the State as a whole were compiled in the office of W. H. Alexander, Section Director of the U. S. Weather Bureau, Ohio Section, Columbus, Ohio.

Wooster is situated in central Wayne County in latitude  $40^{\circ} 47'$  north and longitude  $81^{\circ} 55'$  west. The surrounding country is quite rolling. The weather records prior to 1894 were kept by Dr. O. N. Stoddard and others at the College of Wooster and by the author since that time at the Ohio Agricultural Experiment Station, one mile south of Wooster. The location of the weather station is 1040 feet above sea level.

The climate of a country or locality is determined from a summary or an average of the weather conditions over a long period of time. Its nature is established definitely only after many years of careful study and observation. Some of the most important factors which go to make up the climate of a locality are the average temperature, rainfall, amount of sunshine, and the frequency of early and late frosts. Although these factors play a very important part in making up the climate, they are influenced very largely by the latitude and longitude, the elevation above sea level, the topography of the surrounding country, mountain ranges, rivers and lakes, swamps and marshes, and by the average direction and velocity of the wind.

The vegetation and growth of crops of any locality are controlled largely by three climatic factors—temperature, sunshine, and rainfall. Fortunately, these are so stable in the greater part of Ohio that an entire crop failure is almost unknown. Of all the climatic factors, perhaps none is more important than rainfall. At least, it is the one which gives the most concern. While drouthy or excessively rainy periods often occur in parts of Ohio, the temperature and sunshine seldom vary beyond safe limits for crop production.

The climate of a locality is of great importance to its people, not only from the standpoint of health but because many occupations, especially that of agriculture, are dependent upon it. One looking for a new location in which to engage in agriculture should not only look for one with fertile soil but for one having the proper climatic conditions as well. It is sometimes said that

the climate of a given place is changing and that we do not have the cold winters or warm summers that we did fifty years ago, but there seems to be no authority, judging from the weather statistics of the past fifty years, to substantiate this fact. Although fluctuations do occur from time to time and from year to year, yet statistics extending back over a period of more than one hundred years show that there is nothing to bear out the idea that there has been any permanent change in the climate. The temperature and rainfall, while fluctuating from year to year, have remained, on the whole, quite constant.

The data for temperature, rainfall, snowfall, early and late frosts, direction and velocity of wind, etc., given in the following tables cover a period of 46 years and should enable the reader to form a general opinion of the climatic conditions at Wooster and also at other points in the State.



Weather Bureau. The following are recorded here daily: Temperature, Rainfall, Sunshine Duration  
Relative Humidity, Evaporation, Wind Direction and Velocity

TABLE 1.—Mean Temperature, by Months and Years, at Wooster

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	Av. 5-yr. periods
1888	22.9	28.4	31.7	46.3	57.7	66.0	70.1	67.8	57.1	44.9	40.8	31.4	47.1	48.9
1889	31.1	22.9	38.7	47.1	57.8	64.5	70.0	66.0	60.8	45.3	39.3	40.7	48.7	
1890	36.0	36.6	30.9	48.4	56.0	69.8	70.5	65.8	59.6	50.0	41.3	28.8	49.5	
1891	30.0	34.0	32.0	49.0	55.0	68.0	67.5	70.0	67.9	48.8	37.6	37.3	49.8	
1892	21.5	.....	33.2	47.1	58.7	70.5	69.6	68.7	60.9	48.9	37.5	28.0	49.5	
1893	16.7	27.6	37.7	50.1	57.6	71.2	74.3	70.3	64.2	52.0	37.7	30.9	49.2	49.3
1894	32.8	26.7	43.5	50.5	57.5	67.9	71.4	69.2	66.1	52.3	36.5	32.9	50.6	
1895	21.8	17.9	32.4	49.5	59.4	69.9	68.6	70.9	66.5	44.2	40.4	32.8	47.9	
1896	27.9	29.2	29.8	54.6	64.5	65.6	70.2	68.5	60.6	48.8	44.4	30.8	49.6	
1897	23.6	30.0	39.8	47.4	53.4	64.4	73.2	66.8	60.7	48.9	41.2	31.8	49.3	
1898	31.6	27.4	43.3	45.3	58.2	68.7	74.5	71.1	66.2	52.6	38.4	27.9	50.4	49.8
1899	26.6	20.5	35.0	52.1	60.0	69.3	71.1	71.0	61.7	55.0	43.2	29.0	49.5	
1900	30.2	24.8	31.7	47.8	61.5	68.4	72.6	73.9	67.1	58.9	40.6	30.8	50.7	
1901	28.3	20.0	39.0	45.2	58.0	69.1	76.0	71.6	63.3	51.8	36.6	27.0	48.8	
1902	26.2	21.4	41.3	46.2	61.4	65.6	73.0	66.4	62.7	54.0	47.4	28.5	49.5	
1903	24.4	29.0	45.7	48.6	62.2	63.0	71.8	68.8	64.4	53.2	36.8	21.6	49.1	48.8
1904	18.6	20.5	37.6	42.8	59.4	67.0	69.8	66.7	64.2	50.4	39.6	28.0	47.0	
1905	22.6	19.8	41.2	46.8	59.2	68.0	71.6	70.0	63.8	51.0	39.4	33.1	48.9	
1906	35.9	25.8	30.2	51.9	59.9	68.8	71.0	74.2	67.7	51.4	40.4	31.2	50.7	
1907	30.8	24.6	40.9	47.1	52.8	64.6	69.9	68.6	65.0	47.4	38.5	32.2	48.4	
1908	28.7	26.8	43.1	50.0	62.2	68.1	72.4	69.0	66.4	53.0	41.0	31.7	51.0	49.7
1909	31.8	33.6	35.9	48.4	57.9	69.3	69.6	70.4	62.2	47.8	48.4	25.3	50.0	
1910	26.7	23.6	47.2	50.2	54.8	64.1	72.6	70.9	65.0	54.9	34.8	24.4	49.1	
1911	31.6	33.8	35.0	46.4	63.6	68.9	71.8	70.6	65.1	51.9	36.8	34.7	50.8	
1912	16.6	20.5	30.4	50.0	61.2	64.6	71.6	67.2	65.6	52.4	41.0	32.9	47.8	
1913	34.2	25.1	38.5	48.9	57.9	67.4	72.4	71.4	62.5	52.2	42.4	33.7	50.6	48.8
1914	31.8	20.4	34.2	48.4	59.8	68.4	71.0	71.5	62.2	55.8	40.8	26.0	49.2	
1915	24.6	33.2	31.2	53.2	55.6	64.6	69.2	66.2	65.6	53.4	42.4	28.6	49.0	
1916	35.2	24.7	32.0	46.8	60.2	62.9	74.6	72.2	62.0	50.1	40.4	26.2	48.9	
1917	25.6	21.3	36.3	47.8	52.6	66.3	71.8	70.7	60.0	45.4	36.5	20.7	46.2	
1918	14.2	29.6	43.1	48.6	65.0	67.3	70.4	75.1	57.4	55.5	41.8	37.8	50.5	51.1
1919	32.0	31.6	39.7	48.7	58.1	73.2	73.7	69.2	65.1	57.8	40.6	24.4	51.2	
1920	20.6	25.5	41.6	44.4	56.4	67.4	69.1	69.5	65.0	57.6	40.0	32.4	49.1	
1921	32.2	32.8	48.0	55.2	60.6	71.0	76.2	68.7	69.0	52.8	41.0	32.0	53.3	
1922	24.0	32.6	41.2	51.2	62.2	69.2	71.3	68.4	66.5	54.8	43.4	31.4	51.4	
1923	30.8	24.9	36.8	47.3	56.9	69.6	71.7	69.4	64.6	50.0	40.4	39.6	50.2	49.5
1924	24.7	27.0	35.1	48.3	54.5	66.6	68.8	70.6	60.3	53.8	40.3	26.9	48.1	
1925	25.7	35.6	40.2	52.0	53.6	72.0	70.4	70.4	67.8	44.4	38.0	27.6	49.8	
1926	25.0	29.2	32.6	43.0	58.0	64.4	71.4	73.1	65.2	52.2	40.0	27.6	48.5	
1927	26.6	35.2	41.4	49.1	59.0	62.8	71.0	65.6	66.0	55.8	45.2	30.9	50.7	
1928	27.8	30.6	36.9	45.7	57.4	64.1	72.7	62.7	60.4	55.6	42.5	34.2	50.0	50.8
1929	24.8	24.9	45.0	51.7	57.7	66.0	71.6	66.4	64.8	50.8	38.0	30.7	49.3	
1930	26.7	36.9	37.4	51.0	61.1	69.0	73.9	70.5	66.7	49.7	41.7	30.0	51.2	
1931	30.3	33.3	35.1	48.4	57.4	67.7	75.6	71.8	58.4	55.6	48.4	38.4	52.5	
1932	39.0	35.9	32.4	46.5	58.8	68.9	72.0	70.8	64.6	54.4	39.2	31.7	51.2	
1933	37.5	31.8	37.3	50.6	61.8	72.4	73.8	70.6	67.2	51.0	37.0	33.5	52.0	.....
Av.	27.6	27.7	37.5	48.5	58.5	67.5	71.7	69.8	64.1	51.9	40.4	30.6	49.7	



TABLE 2.—Precipitation, by Months and Years, at Wooster—Inches

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	Av. 5-yr. periods
1888	3.34	2.43	3.34	2.48	3.82	2.31	4.54	4.35	1.92	3.18	4.95	1.39	38.05	42.37
1889	4.33	2.42	2.13	1.58	2.97	4.86	6.73	1.98	4.05	1.36	3.53	3.93	39.87	
1890	4.71	6.20	4.37	3.10	6.37	4.92	2.67	4.66	5.13	7.45	2.62	1.74	53.94	
1891	2.91	4.83	3.71	1.66	2.24	7.13	3.24	1.85	.93	1.33	5.73	2.92	38.48	
1892	2.67	2.67	3.38	2.44	7.69	7.89	4.73	2.69	3.20	.37	2.06	1.74	41.53	
1893	4.01	6.33	1.89	5.66	6.28	2.51	1.38	1.53	1.85	5.15	2.49	1.50	40.58	35.63
1894	2.19	3.37	2.36	1.74	4.41	2.23	1.38	.76	4.25	2.53	2.41	3.15	30.78	
1895	3.97	.41	1.98	1.69	1.38	4.20	2.19	2.30	3.92	1.15	4.21	3.51	30.91	
1896	1.73	2.27	3.67	3.34	3.41	3.98	8.05	1.96	5.16	.71	1.78	3.04	39.10	
1897	3.42	2.64	2.81	2.75	4.97	2.98	3.89	3.86	.29	.89	5.76	2.50	36.76	
1898	4.10	2.27	6.44	2.56	4.60	2.70	6.79	5.53	2.15	4.28	4.14	2.29	47.85	37.25
1899	3.29	1.64	3.95	1.28	4.42	1.95	3.73	.53	5.56	2.21	1.59	2.78	32.93	
1900	2.78	2.74	2.25	1.70	2.23	3.71	5.65	5.97	2.19	2.10	4.30	.99	36.61	
1901	1.58	1.20	3.09	2.46	4.32	4.82	3.32	3.58	5.64	.79	1.62	3.47	35.89	
1902	.63	.83	2.99	1.55	2.57	5.55	5.26	1.87	3.49	1.52	2.62	4.07	32.95	
1903	3.54	3.69	3.29	4.55	1.59	3.69	4.61	6.58	2.07	2.63	2.25	1.95	40.44	41.49
1904	5.27	3.90	6.22	6.59	4.45	1.67	4.93	2.03	2.27	.87	.40	2.68	41.28	
1905	1.83	1.36	2.61	2.51	5.97	7.50	5.14	4.47	5.10	2.32	2.04	2.08	42.93	
1906	1.93	1.06	3.57	2.27	2.98	3.81	4.93	7.38	5.16	3.55	2.39	3.79	42.82	
1907	6.92	1.09	5.80	2.69	3.48	3.81	3.96	2.04	3.13	2.34	1.33	3.41	40.00	
1908	1.96	3.89	5.02	3.64	4.56	2.17	3.44	3.17	.73	1.22	1.09	3.05	33.94	41.47
1909	2.95	5.22	3.02	3.92	4.06	6.44	4.05	5.21	1.73	2.16	2.91	2.55	44.22	
1910	5.29	4.41	.54	3.22	4.87	2.57	1.12	.95	2.59	5.24	2.36	2.29	35.45	
1911	4.13	2.25	3.26	3.71	2.45	3.78	3.36	5.19	6.53	5.45	2.50	4.54	47.15	
1912	2.30	1.58	3.77	5.58	5.65	2.21	7.46	7.32	4.41	2.18	1.79	2.35	46.60	
1913	7.86	2.43	11.84	3.66	3.04	.97	4.07	4.75	3.70	3.17	3.77	1.92	51.18	39.48
1914	1.64	1.95	2.37	4.33	2.98	6.33	1.23	5.00	2.87	3.33	1.68	3.67	37.38	
1915	2.32	2.04	1.17	1.41	2.80	6.32	8.35	3.93	4.90	2.85	2.65	3.32	42.06	
1916	4.98	1.73	4.72	2.92	2.95	5.05	2.21	2.26	1.07	1.98	2.63	2.43	34.93	
1917	3.12	1.30	3.66	2.00	3.94	4.84	2.20	2.44	1.48	4.76	.48	1.64	31.86	
1918	2.66	2.39	2.01	2.96	4.88	1.91	2.68	3.03	3.27	2.82	1.43	3.71	33.75	38.57
1919	1.20	.96	3.82	2.66	6.17	2.62	6.42	7.37	1.46	6.00	2.71	1.69	43.08	
1920	2.47	.91	2.08	5.67	1.59	8.26	3.67	7.25	2.12	1.30	2.45	1.93	39.70	
1921	2.00	2.41	6.26	4.28	3.42	2.77	2.92	1.85	6.35	1.58	5.70	2.36	41.90	
1922	1.71	2.27	3.80	4.39	5.61	3.04	5.04	1.17	.89	1.67	1.70	3.13	34.42	
1923	4.33	1.79	2.49	2.28	4.11	1.99	2.08	4.70	3.08	1.38	2.82	5.25	36.30	37.66
1924	3.68	2.16	2.82	2.86	4.13	6.40	4.32	2.34	5.38	.30	1.07	3.44	38.90	
1925	1.81	2.10	2.50	1.87	2.35	2.24	4.09	1.88	4.08	3.01	3.53	.94	30.40	
1926	2.64	2.80	1.87	2.52	2.63	3.58	2.49	2.75	8.51	5.29	2.64	1.70	39.42	
1927	2.79	2.73	4.11	3.02	4.45	3.36	4.28	2.88	2.69	.90	6.95	5.12	43.28	
1928	1.86	3.18	3.52	2.67	1.69	5.17	3.75	4.03	.65	2.17	2.92	1.85	33.46	35.36
1929	5.29	2.62	3.18	5.58	4.84	4.10	6.79	1.26	1.66	2.37	3.54	3.12	44.35	
1930	5.33	2.63	3.07	2.23	1.59	2.86	1.71	2.64	2.53	1.81	1.21	1.17	28.78	
1931	1.41	1.80	1.58	4.10	4.45	3.49	2.97	4.68	3.48	1.79	2.00	3.91	35.66	
1932	5.81	1.23	2.70	2.55	1.93	3.44	3.14	2.01	1.93	3.56	3.26	3.01	34.57	
1933	1.53	1.43	5.56	3.47	4.77	1.67	1.73	3.85	4.23	1.49	1.50	2.30	33.53	.....
Av.	3.22	2.47	3.49	3.09	3.83	3.91	3.97	3.47	3.26	2.53	2.73	2.72	38.70	

TABLE 3.—Maximum and Minimum Temperatures, by Months and Years, at Wooster—Degrees

Date	January		February		March		April		May		June		July		August		September		October		November		December	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest
1888.....	54	- 5	54	- 1	67	8	84	19	82	31	89	40	90	43	92	41	82	31	69	27	72	19	57	9
1889.....	54	12	54	- 5	71	16	80	21	90	30	87	38	92	49	90	45	92	37	76	23	65	16	65	18
1890.....	66	5	65	14	60	1	74	23	83	30	88	45	94	45	95	40	88	38	81	30	66	24	48	15
1891.....	51	12	60	3	61	0	83	21	82	28	89	44	89	49	99	53	98	42	88	25	71	10	58	16
1892.....	54	-20	54	- 6	65	10	76	28	86	38	90	56	98	48	91	49	88	36	81	25	67	16	61	- 2
1893.....	51	- 9	47	- 2	75	10	83	24	84	36	92	45	95	47	93	37	95	28	85	24	66	15	62	6
1894.....	56	1	64	- 1	75	14	92	24	83	35	93	37	98	41	96	41	93	36	80	28	65	31	57	7
1895.....	53	- 6	60	- 6	59	9	80	21	94	27	98	35	92	42	94	42	93	34	73	19	72	18	61	- 2
1896.....	54	- 2	58	- 6	65	4	89	19	86	44	87	39	92	45	93	41	92	34	71	21	69	13	56	6
1897.....	61	-18	54	- 9	69	11	79	21	78	31	88	37	96	50	92	42	95	28	86	25	65	12	60	2
1898.....	64	- 1	64	- 9	71	12	77	16	81	32	90	40	96	45	90	46	90	38	86	24	66	13	56	1
1899.....	55	- 6	57	-21	67	9	86	21	86	30	92	40	94	45	95	39	94	32	92	22	66	22	63	- 2
1900.....	54	- 5	65	-10	57	- 4	78	20	89	25	90	44	95	44	94	49	89	41	86	30	69	6	55	11
1901.....	53	- 4	40	0	69	- 1	82	22	82	33	91	38	95	50	94	47	86	34	79	26	67	18	64	- 11
1902.....	47	- 2	59	- 9	69	9	83	24	97	29	89	39	93	46	88	40	85	32	77	27	72	24	60	- 5
1903.....	60	- 8	63	- 9	76	21	74	19	89	27	88	41	94	42	92	43	89	32	79	26	71	9	49	- 1
1904.....	60	-21	57	-10	74	13	72	12	88	33	88	44	92	46	90	42	89	31	83	19	68	15	63	- 1
1905.....	59	- 8	43	-12	79	10	77	23	82	31	89	38	92	50	90	46	87	36	80	23	61	16	52	13
1906.....	72	6	65	-14	61	- 5	80	21	86	29	92	47	88	46	91	48	90	44	74	22	72	23	58	6
1907.....	67	-14	50	- 5	82	12	78	15	81	29	89	40	88	40	90	43	83	34	82	22	55	18	56	9
1908.....	51	4	56	- 3	75	21	80	24	89	30	91	36	92	46	95	43	95	28	84	24	68	17	59	7
1909.....	66	-11	60	- 2	60	12	81	13	84	31	89	42	89	45	89	41	90	30	81	22	72	21	66	6

TABLE 3.—Maximum and Minimum Temperatures, by Months and Years, at Wooster—Degrees—Continued

Date	January		February		March		April		May		June		July		August		September		October		November		December	
	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest	Highest	Lowest
1910.....	45	-1	48	-12	84	18	81	23	82	25	90	35	94	44	94	38	91	34	85	24	66	14	49	0
1911.....	56	-11	62	-9	67	4	77	16	92	28	94	45	101	43	97	41	87	37	75	22	65	10	61	7
1912.....	44	-24	55	-16	68	6	78	23	86	36	88	31	90	51	89	41	93	30	82	26	68	18	58	8
1913.....	57	4	62	-2	74	1	83	20	86	25	96	32	95	42	96	45	93	28	81	24	73	12	56	7
1914.....	64	0	51	-18	67	6	87	19	91	29	95	36	95	45	94	49	93	34	82	26	74	13	59	-11
1915.....	50	-13	60	0	54	8	88	21	78	28	87	37	91	46	88	36	90	33	80	23	74	19	52	10
1916.....	70	-4	57	-7	76	-1	78	21	86	34	84	35	96	50	99	41	94	30	89	26	71	16	61	6
1917.....	56	-11	59	-15	72	2	82	20	86	31	92	37	96	46	96	49	85	33	76	24	65	9	48	-19
1918.....	41	-19	63	-18	76	17	79	22	89	31	89	40	95	42	105	45	81	33	79	27	68	19	61	20
1919.....	59	2	62	9	68	16	77	15	94	35	93	46	95	49	90	45	90	37	87	30	61	20	56	-4
1920.....	44	-5	52	0	75	6	80	19	85	29	93	41	92	44	89	43	88	40	82	29	65	14	59	0
1921.....	55	10	64	15	77	20	85	21	87	31	92	41	96	51	92	43	92	39	76	28	67	19	58	9
1922.....	54	-11	67	0	74	12	80	22	83	33	91	42	90	41	96	40	95	32	91	23	66	15	65	-10
1923.....	53	4	50	-1	63	7	77	7	84	29	95	39	97	45	92	40	87	29	81	25	62	22	59	17
1924.....	51	-10	61	1	73	15	75	21	85	32	94	42	92	42	95	44	88	35	80	21	75	14	59	-11
1925.....	43	-7	66	3	76	1	90	24	90	29	97	42	94	41	95	42	95	42	76	18	61	17	57	-9
1926.....	48	-11	50	4	67	-1	81	18	85	31	90	37	99	41	95	45	87	36	84	23	66	15	58	-3
1927.....	52	-4	66	4	73	14	83	24	87	30	93	38	93	43	90	40	92	33	88	27	73	20	62	4
1928.....	59	-5	53	-1	75	10	79	19	88	29	86	36	93	46	93	47	89	30	88	19	72	13	59	7
1929.....	63	-12	55	-9	81	10	84	25	90	28	91	35	92	44	89	40	92	33	76	26	69	-2	57	3
1930.....	57	-10	70	-3	72	9	87	23	87	30	92	34	104	39	102	40	88	32	82	16	71	1	53	5
1931.....	57	4	60	11	59	14	82	25	85	28	93	37	97	47	96	45	91	34	81	27	74	21	61	14
1932.....	66	10	72	9	65	1	75	21	83	28	90	37	97	48	94	42	96	33	77	30	68	12	62	-10
1933.....	68	10	59	-6	64	8	78	27	87	39	97	34	100	48	97	46	93	40	77	23	76	1	60	-5
Extremes.....	72	-24	72	-21	84	-5	92	7	97	25	98	31	104	39	105	36	98	28	92	16	76	-2	66	-19

TABLE 4.—Date of First and Last Killing Frost, Length of Growing Season, and Number of Days the Mercury Registered Zero or Below at Wooster

Year	Date of killing frost		Length of growing season, days	Number of days mercury registered zero or below				
	Last in spring	First in fall		Jan.	Feb.	Mar.	Dec.	Total
1894	April 13	Oct. 7	177	.....	2	.....	2	4
1895	May 22	Sept. 28	129	5	7	.....	2	14
1896	April 24	Sept. 24	153	1	3	.....	.....	4
1897	May 26	Sept. 21	118	4	.....	.....	.....	4
1898	May 9	Oct. 16	160	1	3	.....	.....	4
1899	May 22	Sept. 30	131	3	8	.....	2	13
1900	May 10	Oct. 18	161	2	5	1	.....	8
1901	May 16	Oct. 4	141	2	1	1	4	8
1902	May 10	Sept. 14	127	.....	5	.....	1	6
1903	May 4	Oct. 23	172	3	3	.....	6	12
1904	April 20	Sept. 22	155	7	8	.....	1	16
1905	May 24	Oct. 13	142	3	10	.....	.....	13
1906	May 10	Oct. 11	154	.....	6	1	.....	7
1907	May 12	Oct. 14	155	5	3	.....	.....	8
1908	April 17	Sept. 30	166	.....	1	.....	.....	1
1909	May 12	Oct. 19	160	1	1	.....	1	3
1910	May 15	Oct. 29	167	3	6	.....	1	10
1911	May 5	Oct. 24	172	1	.....	.....	.....	1
1912	June 8	Sept. 30	114	12	7	.....	.....	19
1913	June 10	Sept. 23	105	.....	1	.....	.....	1
1914	May 2	Oct. 27	178	1	6	.....	5	12
1915	May 27	Oct. 10	136	4	1	.....	.....	5
1916	April 29	Sept. 19	143	2	1	1	5	9
1917	May 11	Oct. 1	143	2	8	.....	9	19
1918	May 2	Oct. 1	152	8	4	.....	.....	12
1919	April 27	Oct. 13	169	.....	1	.....	2	2
1920	May 16	Oct. 7	144	4	.....	.....	.....	5
1921	May 17	Oct. 13	149	.....	1	.....	.....	0
1922	May 1	Sept. 26	148	4	1	.....	1	6
1923	May 10	Sept. 14	127	.....	1	.....	.....	1
1924	April 23	Oct. 23	183	6	.....	.....	4	10
1925	May 27	Oct. 10	136	2	.....	.....	3	5
1926	May 4	Oct. 23	172	2	.....	1	1	4
1927	May 1	Oct. 15	167	2	.....	.....	.....	2
1928	May 13	Sept. 26	136	3	1	.....	.....	4
1929	May 20	Oct. 15	148	3	3	.....	.....	6
1930	April 27	Oct. 2	158	5	1	.....	.....	6
1931	May 1	Oct. 18	170	.....	.....	.....	.....	0
1932	May 3	Nov. 3	184	.....	.....	.....	1	1
1933	April 27	Oct. 14	170	.....	3	.....	2	5
Average or total .....	May 10	Oct. 7	152	101	111	5	53	270

TABLE 5.—Monthly Snowfall at Wooster

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	Av. 5-yr. periods
1894	7.0	9.2	3.2	.....	.....	.....	.....	.....	.....	.....	11.3	9.0	39.7	34.6
1895	12.5	3.4	4.3	0.2	T*	.....	.....	.....	.....	T	0.5	8.2	29.1	
1896	T	14.4	12.8	0.8	.....	.....	.....	.....	.....	T	T	9.2	37.2	
1897	20.5	5.5	3.0	T	.....	.....	.....	.....	.....	.....	0.5	5.2	34.7	
1898	2.0	10.8	3.5	0.8	.....	.....	.....	.....	.....	T	4.5	10.8	32.4	
1899	7.2	4.5	6.0	1.0	.....	.....	.....	.....	.....	.....	0.5	9.8	29.0	30.6
1900	4.0	5.8	4.0	T	T	.....	.....	.....	.....	.....	2.5	4.4	20.7	
1901	3.5	2.8	2.5	14.0	.....	.....	.....	.....	.....	T	2.4	6.2	31.4	
1902	6.2	6.0	1.0	4.0	.....	.....	.....	.....	.....	T	1.0	12.0	30.2	
1903	18.5	9.2	0.2	0.5	.....	.....	.....	.....	.....	T	5.4	8.0	41.8	
1904	15.0	5.0	1.0	2.2	.....	.....	.....	.....	.....	T	1.2	5.5	29.9	30.9
1905	10.0	3.7	3.0	2.0	.....	.....	.....	.....	.....	T	0.2	2.1	21.0	
1906	4.2	7.0	18.5	0.2	T	.....	.....	.....	.....	0.1	1.8	7.8	39.6	
1907	10.5	6.5	4.5	2.8	T	.....	.....	.....	.....	.....	T	4.2	28.5	
1908	6.5	10.2	3.2	6.0	T	.....	.....	.....	.....	.....	0.5	9.2	35.6	
1909	15.0	4.2	7.8	5.8	T	.....	.....	.....	.....	0.2	0.5	9.8	43.3	52.4
1910	24.5	28.5	1.0	9.2	.....	.....	.....	.....	.....	0.2	4.5	7.2	75.1	
1911	7.8	11.0	9.7	3.0	T	.....	.....	.....	.....	.....	4.4	13.0	48.9	
1912	8.8	11.7	8.4	4.0	T	.....	.....	.....	.....	.....	0.4	3.5	36.8	
1913	15.2	11.5	6.3	T	.....	.....	.....	.....	.....	0.5	18.0	6.5	58.0	
1914	8.4	14.5	3.3	2.5	.....	.....	.....	.....	.....	T	0.7	13.0	42.4	38.4
1915	12.5	2.2	3.0	T	.....	.....	.....	.....	.....	.....	1.2	12.7	31.6	
1916	0.7	10.0	13.2	6.2	.....	.....	.....	.....	.....	.....	1.8	14.8	46.7	
1917	9.0	6.0	6.2	T	.....	.....	.....	.....	.....	4.0	1.0	16.2	42.4	
1918	21.5	0.8	1.5	4.0	.....	.....	.....	.....	.....	T	T	1.2	29.0	
1919	0.5	4.0	4.4	T	.....	.....	.....	.....	.....	.....	0.5	4.8	14.2	25.0
1920	17.0	7.0	1.8	1.5	.....	.....	.....	.....	.....	.....	7.0	4.0	38.3	
1921	3.5	8.2	1.0	0.5	.....	.....	.....	.....	.....	T	7.0	5.5	25.7	
1922	6.5	4.5	2.5	2.0	.....	.....	.....	.....	.....	.....	1.0	6.5	23.0	
1923	5.8	6.8	5.5	.....	3.0	.....	.....	.....	.....	.....	0.3	2.5	23.9	
1924	7.5	10.5	8.8	.....	.....	.....	.....	.....	.....	.....	1.5	4.3	32.6	31.8
1925	12.0	2.0	1.5	.....	.....	.....	.....	.....	.....	6.0	0.5	2.8	24.8	
1926	17.8	16.3	4.8	2.3	.....	.....	.....	.....	.....	0.3	0.8	8.3	50.6	
1927	3.3	10.3	0.3	1.0	.....	.....	.....	.....	.....	.....	2.8	3.3	21.0	
1928	3.8	7.8	9.8	3.5	.....	.....	.....	.....	.....	.....	4.3	1.0	30.2	
1929	12.5	9.5	3.0	.....	.....	.....	.....	.....	.....	.....	2.3	9.0	36.3	21.9
1930	6.8	2.5	6.5	1.3	.....	.....	.....	.....	.....	.....	1.4	6.7	25.2	
1931	3.5	1.9	5.6	6.8	.....	.....	.....	.....	.....	.....	1.8	0.2	19.8	
1932	T	2.2	3.8	1.0	.....	.....	.....	.....	.....	.....	0.2	3.0	10.2	
1933	0.5	1.3	3.2	.....	.....	.....	.....	.....	.....	.....	6.2	7.0	18.2	
Av.	8.8	7.5	4.8	2.2	0.1	.....	.....	.....	.....	0.3	2.6	7.0	33.2	.....

\*T=less than 0.01 inch.

**TABLE 6.—Average Daily Evaporation From an Exposed Water Surface at The Ohio Agricultural Experiment Station, Wooster\***

Year	April	May	June	July	August	September	October
1916.....				0.199	0.206	0.157	0.098
1917.....	0.095	0.133	0.168	.185	.178	.120	.058
1918.....	.125	.182	.188	.200	.195	.100	.070
1919.....	.096	.111	.213	.228	.168	.102	.086
1920.....		.143	.167	.187	.132	.126	.072
1921.....	.116	.150	.207	.215	.164	.122	.071
1922.....	.122	.136	.189	.199	.174	.141	.072
1923.....	.124	.150	.175	.191	.170	.106	.066
1924.....	.104	.099	.168	.186	.162	.094	.068
1925.....			.208	.172	.153	.126	.037
1926.....		.137	.158	.154	.127	.072	.041
1927.....		.096	.130	.148	.121	.102	.064
1928.....		.127	.106	.150	.140	.104	.065
1929.....	.090	.106	.140	.161	.123	.097	.056
1930†.....							
1931.....			.171	.219	.178	.130	.066
1932.....	.119	.152	.183	.207	.175	.141	.082
1933.....	.169	.140	.218	.214	.181	.124	.068
Average.....	.116	.133	.174	.189	.161	.116	.067

\*The evaporation apparatus is composed of a galvanized tank, or pan, 10 inches deep and 48 inches in diameter, which is kept filled with water to a depth of approximately 8 inches, from which the evaporation readings are taken daily.

†No records available for this year.

TABLE 7.—Temperature, Precipitation, Clear and Cloudy Days, Prevailing Direction and Velocity of Wind, Averages and Extremes. At Wooster

	Years of record	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
Mean temperature.....	46	27.6	27.7	37.5	48.5	58.5	67.5	71.7	69.8	64.1	51.9	40.4	30.6	49.7
Highest temperature.....	46	72	72	84	92	97	98	104	105	98	92	76	66	105
Lowest temperature.....	46	-24	-21	-5	7	25	31	39	36	28	16	-2	-19	-24
Average precipitation.....	46	3.22	2.47	3.49	3.09	3.83	3.91	3.97	3.47	3.26	2.53	2.73	2.72	38.7
Greatest average precipitation .....	46	7.86	6.33	11.84	6.59	7.69	8.26	8.35	7.38	8.51	7.45	6.95	5.25	11.84
Average snowfall.....	40	8.8	7.5	4.8	2.2	0.1					0.3	2.6	7.0	33.2
Average number of days with .01 inch or more precipitation .....	40	12	10	12	12	12	10	10	10	8	10	11	12	129
Average number of clear days .....	40	6	6	8	10	14	16	18	19	16	14	7	4	138
Average number of partly cloudy days. ....	40	5	6	6	7	8	9	9	8	7	6	5	5	81
Average number of cloudy days.....	40	20	16	17	13	9	5	4	4	7	11	18	22	146
Average hourly velocity of wind .....	3	8.2	7.8	7.9	7.0	5.9	4.3	4.5	4.4	4.8	6.0	7.1	6.9	6.2
Prevailing direction of wind.....	40	S W	S W	S W	S W	S W	S W	S W	S W	S W	S W	S W	S W	S W

TABLE 8.—Monthly and Annual Mean Temperatures for the State

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1883.....	24.1	30.5	32.4	48.1	58.0	69.0	72.1	68.2	61.5	53.4	43.4	32.4	49.4
1884.....	19.4	33.8	37.5	47.5	60.4	71.1	71.5	70.8	69.4	56.3	39.4	30.2	50.6
1885.....	22.6	19.3	29.1	48.5	59.5	67.1	75.2	68.9	62.9	49.9	40.8	32.4	48.0
1886.....	23.9	25.9	38.5	51.6	62.2	67.5	72.0	70.9	65.5	53.2	38.8	25.5	49.6
1887.....	26.4	35.9	35.8	49.8	66.0	71.0	77.9	77.9	63.7	49.3	39.3	31.3	52.0
1888.....	24.3	30.5	34.2	49.2	58.8	70.4	72.1	70.4	60.3	47.9	42.9	33.3	49.5
1889.....	33.3	25.8	40.2	49.9	60.2	66.7	72.5	69.1	62.9	47.9	41.0	43.8	51.1
1890.....	38.8	39.4	34.5	51.3	59.2	73.3	73.0	68.8	62.1	52.7	42.2	31.2	52.2
1891.....	33.0	36.0	35.0	52.0	58.0	71.0	69.0	70.0	67.0	51.0	40.0	39.0	51.8
1892.....	24.0	35.0	35.0	49.0	59.0	73.0	73.0	71.0	64.0	52.0	38.0	29.0	50.2
1893.....	18.0	29.0	38.0	50.2	58.3	70.6	74.5	70.7	65.2	53.7	39.3	32.7	50.0
1894.....	33.7	28.9	45.1	50.6	60.0	71.3	74.3	71.2	67.8	53.9	37.5	33.9	52.4
1895.....	23.4	19.6	35.5	51.7	61.1	72.0	71.6	73.5	69.0	46.9	41.9	33.9	50.0
1896.....	29.4	30.5	32.4	56.9	67.9	69.5	73.2	71.8	62.7	49.0	45.1	32.9	51.8
1897.....	25.5	32.4	41.5	49.3	56.3	68.1	75.5	69.4	66.9	58.1	42.2	32.8	51.5
1898.....	32.4	30.0	45.0	47.2	61.0	71.9	76.0	73.5	67.8	54.1	38.8	28.8	52.2
1899.....	27.8	21.6	36.9	53.3	63.3	71.5	74.1	73.7	64.1	57.4	43.9	30.2	51.5
1900.....	31.1	26.0	32.9	50.1	62.9	69.8	74.1	76.3	69.3	60.5	41.6	31.6	52.2
1901.....	29.2	21.1	39.5	46.7	59.0	70.9	78.1	73.1	64.8	53.8	37.7	27.9	50.2
1902.....	27.3	22.3	41.9	48.2	62.6	66.9	74.0	68.9	63.6	54.6	48.5	29.4	50.7
1903.....	27.1	29.9	46.7	49.9	63.9	64.4	72.9	70.7	65.6	54.0	37.2	23.4	50.5
1904.....	20.7	22.9	39.7	44.4	60.7	68.4	71.4	68.8	65.5	52.2	40.5	28.0	48.6
1905.....	22.7	20.8	42.7	48.5	60.7	69.2	73.0	71.7	65.3	52.6	39.6	32.9	50.0
1906.....	35.7	27.3	31.3	52.1	61.3	69.8	72.1	74.6	68.9	52.7	41.1	32.3	51.6
1907.....	32.2	26.0	45.9	42.5	54.5	65.6	72.6	69.5	65.5	48.8	39.1	33.0	49.6
1908.....	29.1	27.7	43.4	51.0	62.8	69.2	73.9	71.2	68.0	54.1	41.7	33.1	52.1
1909.....	32.2	34.7	37.3	49.1	58.7	70.1	70.7	71.9	63.2	48.8	48.9	25.4	50.9
1910.....	27.6	25.5	48.2	51.5	56.0	65.9	73.8	71.4	66.3	56.7	36.3	25.5	50.4
1911.....	32.8	34.5	37.4	47.7	66.3	70.9	74.0	72.5	67.5	53.3	37.6	36.3	52.6
1912.....	17.9	22.4	32.9	51.9	62.5	66.6	73.4	69.2	67.4	54.8	42.2	33.8	49.6
1913.....	36.0	26.7	40.1	50.0	60.3	69.8	74.5	73.3	64.1	54.1	44.4	34.5	52.3
1914.....	33.4	22.1	36.0	50.1	62.2	71.1	74.0	72.8	63.4	56.9	42.1	27.0	50.9
1915.....	26.3	35.2	33.2	54.8	57.8	66.8	71.5	67.5	67.0	55.4	44.3	30.4	50.8
1916.....	35.5	26.5	34.7	49.3	61.8	64.7	76.9	74.4	63.7	53.2	42.6	29.1	51.0
1917.....	28.0	25.4	39.6	48.7	54.1	66.9	72.3	71.3	61.9	46.7	38.7	21.4	47.9
1918.....	14.9	31.0	44.0	48.7	66.4	68.8	71.3	76.6	58.4	56.6	42.3	39.3	51.5
1919.....	32.9	32.5	41.0	49.7	58.6	74.2	75.1	70.5	66.7	59.5	41.2	25.7	52.3
1920.....	22.1	27.4	41.7	45.8	58.3	68.9	70.4	70.3	66.4	58.5	40.4	33.8	50.3
1921.....	33.2	34.3	48.9	55.1	62.1	73.4	77.8	70.6	70.1	53.7	42.9	33.7	54.6
1922.....	26.4	33.9	42.2	52.6	64.0	70.9	72.9	70.5	68.2	55.8	43.9	32.5	52.8
1923.....	32.5	26.4	37.7	48.4	58.3	71.0	72.8	70.7	65.7	51.2	41.3	40.8	51.4
1924.....	25.0	28.7	36.2	49.8	54.6	68.0	70.3	72.0	60.8	56.1	41.4	28.5	49.3
1925.....	27.2	36.3	41.8	54.2	55.6	73.0	72.0	72.0	70.1	46.3	39.6	29.0	51.4
1926.....	27.2	31.7	33.2	44.4	60.5	65.9	72.9	74.0	66.6	53.7	40.3	29.5	50.0
1927.....	28.0	36.7	42.7	49.8	60.1	64.6	72.6	66.4	68.1	57.2	46.6	31.9	52.1
1928.....	29.1	31.2	38.1	46.5	59.1	65.0	73.7	74.0	61.6	57.3	43.3	34.6	51.1
1929.....	25.8	25.1	45.8	53.2	58.5	67.1	72.9	68.0	65.5	52.0	39.0	31.8	50.4
1930.....	27.8	38.7	38.3	52.1	62.8	70.0	75.6	72.0	67.7	51.1	42.6	30.9	52.5
1931.....	31.8	35.2	36.2	50.1	59.1	70.8	77.2	72.7	70.3	57.3	50.2	39.8	54.2
1932.....	39.8	38.0	33.7	48.5	61.6	71.0	73.8	72.8	66.0	54.4	39.2	32.1	52.6
1933.....	37.7	31.9	38.4	50.9	63.6	74.4	74.7	72.1	69.1	52.4	38.9	34.4	53.2
Means.....	28.4	29.4	38.6	49.9	60.4	69.4	73.5	71.5	65.6	53.4	41.4	31.7	51.1



TABLE 9.—Precipitation for the State, by Months and Years

Year	Number of stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1854.....	17	3.46	3.42	4.82	5.13	5.03	2.81	2.65	2.05	1.62	4.22	2.54	1.99	39.74
1855.....	18	2.54	1.63	3.10	2.44	4.08	8.57	5.79	3.81	5.67	3.10	4.98	3.73	49.44
1856.....	22	1.57	1.77	1.03	1.80	3.36	3.65	2.61	2.16	2.23	1.82	3.21	2.81	28.02
1857.....	19	1.36	2.51	1.27	2.81	5.03	4.44	4.90	3.80	1.59	4.29	5.53	3.67	41.20
1858.....	29	3.57	2.24	1.25	4.94	7.69	5.08	4.72	4.39	1.59	3.37	3.73	5.36	47.93
1859.....	33	2.31	4.17	4.21	5.44	2.49	4.26	1.55	4.05	3.64	2.09	4.18	4.27	42.66
1860.....	20	2.24	1.88	1.25	5.71	2.52	2.01	5.76	3.04	3.42	3.13	3.69	2.43	37.08
1861.....	30	2.31	1.93	3.13	4.37	4.19	2.75	3.33	4.68	3.26	3.04	3.85	1.52	38.36
1862.....	35	4.14	2.72	4.38	4.42	3.81	4.09	3.59	1.73	1.48	2.22	3.34	4.00	39.92
1863.....	32	5.59	3.09	2.96	1.66	2.22	1.98	2.55	2.59	2.22	3.28	3.00	3.13	34.27
1864.....	26	2.12	1.37	2.37	2.96	3.07	2.58	2.06	4.52	5.32	2.49	3.64	3.47	35.97
1865.....	26	2.41	2.08	4.40	3.97	5.29	3.88	5.70	2.95	6.11	1.63	0.86	3.69	42.97
1866.....	28	2.72	2.22	4.36	2.01	2.25	5.57	5.11	4.12	9.67	2.68	3.76	2.75	47.22
1867.....	27	2.32	3.68	3.00	3.18	4.33	3.03	3.19	2.11	0.82	2.84	2.24	3.65	34.39
1868.....	27	2.58	1.09	6.16	3.39	5.35	5.40	2.68	4.49	5.55	1.25	2.11	1.75	41.80
1869.....	34	2.26	3.24	4.15	2.87	6.08	5.10	4.76	1.61	4.08	2.39	4.00	3.07	43.61
1870.....	35	6.04	2.37	4.13	2.25	1.81	3.85	4.73	2.57	1.88	3.40	2.04	2.74	37.81
1871.....	37	1.87	2.59	2.92	2.25	2.64	3.78	3.66	5.80	0.70	1.33	2.04	2.36	31.94
1872.....	33	1.18	1.39	1.47	3.45	3.27	2.64	6.69	4.12	2.55	2.79	1.20	2.51	33.26
1873.....	37	3.01	2.31	3.26	3.98	3.30	3.76	6.20	2.94	2.45	3.56	2.34	5.33	42.44
1874.....	31	4.66	4.18	2.56	3.59	1.84	3.17	3.75	2.24	2.41	0.91	3.56	2.35	35.22
1875.....	27	1.61	1.56	3.32	1.72	3.91	6.26	6.92	4.17	2.74	2.94	3.71	3.67	42.53
1876.....	22	5.44	3.78	4.54	2.22	3.69	4.01	6.45	3.72	5.49	3.05	2.57	1.79	46.75
1877.....	22	2.44	4.28	5.78	2.39	1.84	6.85	3.72	2.91	1.26	2.38	3.28	2.14	39.27
1878.....	22	3.73	2.16	3.73	2.67	2.72	3.23	5.45	3.19	4.53	3.06	2.67	3.70	40.84
1879.....	22	2.17	2.45	3.80	1.49	2.28	4.15	4.25	5.39	3.78	0.72	3.99	4.44	38.91
1880.....	20	4.08	3.19	3.03	5.17	3.94	5.14	4.25	4.84	2.33	2.47	3.24	2.55	44.23
1881.....	20	2.64	3.72	4.01	2.72	1.54	5.79	3.62	1.16	2.86	5.45	4.16	4.60	42.27
1882.....	30	3.87	4.40	4.06	2.56	6.73	4.73	3.18	4.99	2.70	1.99	2.12	1.90	43.23
1883.....	27	2.40	6.49	2.18	3.06	5.72	4.25	4.16	1.88	2.72	4.66	3.51	3.95	44.98
1884.....	28	2.72	5.52	3.51	2.01	3.87	2.96	3.83	1.45	3.36	1.88	1.39	3.69	36.19
1885.....	39	4.16	1.85	0.81	3.17	3.97	4.34	3.20	6.33	2.49	3.30	2.70	1.74	38.06
1886.....	40	3.49	1.42	2.73	2.57	4.23	3.53	2.88	3.62	4.02	1.27	4.23	2.72	36.71
1887.....	42	2.08	6.11	2.23	3.83	2.87	3.77	2.16	2.39	2.17	0.75	2.81	2.46	33.63
1888.....	46	3.65	1.74	3.55	1.99	3.77	3.41	4.40	5.16	2.27	3.98	4.25	1.47	39.64
1889.....	63	3.13	1.35	1.38	1.79	3.71	4.13	4.19	1.50	3.62	1.78	4.02	2.81	33.41
1890.....	66	4.94	5.25	5.29	3.45	5.52	4.50	1.99	4.66	5.56	4.27	2.53	2.37	50.33
1891.....	65	2.82	4.91	4.19	2.13	2.20	4.82	3.82	3.07	1.50	1.76	5.00	2.39	38.61
1892.....	104	2.11	3.03	2.86	3.32	6.32	5.61	3.80	2.99	2.36	0.73	2.32	1.71	37.16
1893.....	137	2.56	5.13	2.09	6.37	4.97	3.34	2.49	2.17	1.57	4.24	2.09	2.61	39.63
1894.....	144	2.14	2.79	2.16	2.31	4.00	2.65	1.56	1.67	3.31	2.01	2.17	2.98	29.75

TABLE 9.—Precipitation for the State, by Months and Years—Continued

Year	Number of stations	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1895.....	142	4.00	0.69	1.59	2.11	1.80	2.47	2.00	2.96	1.66	1.22	4.11	3.85	28.46
1896.....	143	1.67	2.21	3.34	2.78	2.67	4.81	8.11	3.38	5.13	1.20	2.63	1.65	39.58
1897.....	143	1.93	3.64	5.17	3.27	3.93	2.85	4.65	2.72	0.78	0.64	6.62	2.39	38.59
1898.....	132	5.25	2.32	6.23	2.38	4.10	2.86	3.98	4.50	2.56	3.72	3.17	2.71	43.78
1899.....	134	3.01	2.11	4.64	1.61	4.32	2.94	4.17	1.82	2.68	2.14	1.72	3.16	34.32
1900.....	131	2.37	3.46	2.35	1.89	2.40	3.01	4.62	3.68	1.76	1.89	4.15	1.24	32.82
1901.....	138	1.70	1.24	2.66	3.40	3.96	4.44	2.72	3.33	2.86	0.73	1.53	3.79	32.36
1902.....	134	1.42	0.88	2.76	2.21	3.09	7.48	4.69	1.67	4.55	2.28	2.60	3.95	37.58
1903.....	131	2.36	4.95	3.51	4.01	2.82	4.02	3.67	3.20	1.52	2.62	2.10	2.07	36.85
1904.....	108	3.85	2.69	5.67	3.53	3.79	2.88	4.13	2.74	1.95	1.50	0.37	3.09	36.19
1905.....	106	1.73	1.58	2.50	3.10	5.63	4.72	3.93	4.46	2.86	3.65	2.63	2.29	39.08
1906.....	105	1.98	1.16	3.97	1.89	2.17	3.42	5.14	4.77	2.92	3.19	2.59	3.68	36.88
1907.....	103	6.06	0.85	5.55	2.74	3.47	4.57	5.36	2.48	3.92	2.76	1.93	3.16	42.85
1908.....	103	1.82	4.10	5.43	3.71	4.72	2.51	4.08	2.59	0.58	1.17	1.06	2.33	34.10
1909.....	106	3.24	5.39	2.77	4.13	4.72	5.86	3.76	3.56	1.78	2.31	2.52	2.62	42.66
1910.....	104	4.48	4.05	0.26	3.49	3.80	2.66	3.17	1.58	4.05	4.19	1.89	2.41	36.03
1911.....	104	3.90	1.95	2.33	4.35	1.69	3.92	2.40	5.39	4.87	4.99	2.91	3.93	42.63
1912.....	109	2.12	2.08	4.17	4.47	3.12	3.17	5.70	4.08	3.11	2.44	1.10	2.26	37.82
1913.....	110	7.01	1.94	8.40	3.35	3.53	1.87	5.20	2.52	2.37	3.36	3.52	1.68	44.75
1914.....	126	2.30	3.04	2.41	4.01	3.11	3.14	2.19	5.08	1.41	3.42	1.53	3.77	35.41
1915.....	129	3.40	1.96	1.44	1.42	3.99	4.36	6.32	4.52	4.51	2.39	2.68	3.84	40.83
1916.....	146	5.07	1.83	4.15	2.35	4.27	4.86	1.92	3.11	2.56	2.12	2.11	2.89	37.24
1917.....	144	3.78	1.43	3.65	3.38	4.18	4.99	3.88	2.70	1.86	4.81	0.54	1.31	36.51
1918.....	140	3.23	2.16	2.49	3.23	4.49	2.68	2.61	3.64	3.75	2.71	2.02	3.53	36.54
1919.....	140	1.60	1.19	4.04	3.02	4.78	2.88	4.02	4.46	1.90	6.29	4.02	2.13	40.33
1920.....	137	2.61	1.05	2.72	5.78	2.45	4.53	4.50	4.36	2.56	1.97	2.82	2.14	37.49
1921.....	134	2.46	2.05	5.94	3.90	3.20	2.81	2.93	4.21	4.29	2.18	5.66	3.34	42.97
1922.....	135	1.62	1.68	5.15	4.52	4.69	2.98	3.70	3.26	2.61	1.78	1.56	3.29	37.04
1923.....	137	3.46	2.01	3.00	2.60	3.56	3.38	3.57	4.34	3.12	1.61	2.45	5.92	39.02
1924.....	87	3.73	2.02	3.53	2.71	4.10	6.38	2.84	2.12	4.80	0.26	1.44	3.41	37.34
1925.....	87	1.69	2.25	2.63	2.04	2.61	2.85	4.69	2.34	3.76	4.37	4.06	0.82	34.11
1926.....	88	2.39	3.07	2.28	3.17	2.51	3.11	4.29	5.92	7.28	5.14	2.15	2.38	43.69
1927.....	89	3.33	2.49	3.83	4.13	4.73	3.62	4.54	2.50	2.18	1.66	6.07	3.93	43.01
1928.....	86	1.70	2.83	2.84	3.06	1.77	6.79	4.75	2.65	0.90	2.58	3.00	2.02	34.89
1929.....	88	4.36	2.37	2.83	4.88	5.33	4.01	4.84	2.73	3.02	4.18	3.81	3.41	45.07
1930.....	90	4.69	2.63	2.77	2.11	1.80	2.34	1.53	2.35	2.72	1.32	1.55	1.19	27.00
1931.....	88	1.23	1.85	2.14	4.31	3.07	3.58	3.77	4.99	4.01	2.42	2.70	3.52	37.59
1932.....	88	5.28	1.27	2.92	2.29	1.78	3.79	4.29	2.06	2.80	3.47	3.09	3.58	36.62
1933.....	88	1.93	1.81	5.54	3.74	6.44	1.78	2.47	3.43	4.65	1.36	1.49	2.75	37.39
Means.....	.....	3.03	2.64	3.40	3.18	3.70	3.94	3.97	3.36	3.07	2.63	2.90	2.92	38.74

TABLE 10.—Snowfall for the State, by Months and Years

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1891.....		2.1	8.4	1.6	T					T	4.0	0.3	.....
1892.....	13.6	4.5	6.8	0.7						T	4.8	4.3	34.7
1893.....	17.6	11.8	2.1	2.3						T	0.1	7.0	40.9
1894.....	3.3	2.5	3.2	0.1	T					T	4.6	5.5	19.2
1895.....	15.5	5.8	4.4	0.2	T					0.2	1.0	7.1	34.2
1896.....	1.6	8.8	14.8	0.4						T	0.2	2.5	28.3
1897.....	7.6	3.5	2.8	1.3	T					T	0.3	5.8	21.3
1898.....	3.8	6.9	3.2	0.4	T					T	3.0	8.7	26.0
1899.....	6.9	6.1	9.3	0.2					T	T	0.3	8.6	31.4
1900.....	2.6	8.7	4.9	0.7	T						4.9	3.8	25.6
1901.....	7.2	6.1	2.6	9.6	T						1.8	5.1	32.4
1902.....	8.2	5.1	4.1	2.1	T					T	1.7	10.2	31.4
1903.....	10.4	7.9	0.2	0.3	T					T	3.6	6.9	29.3
1904.....	13.8	5.0	2.3	0.6	T					T	0.9	7.1	29.7
1905.....	10.3	7.3	0.4	2.0	T					T	0.5	2.3	22.8
1906.....	4.4	6.8	18.6	0.1	0.1					1.1	1.7	7.1	39.9
1907.....	8.4	5.0	3.4	2.0	0.1	T			T		0.3	4.5	23.7
1908.....	5.0	11.2	2.4	2.3	0.1					T	0.7	3.8	25.5
1909.....	14.6	5.1	3.6	1.0	0.1					T	0.4	11.5	36.3
1910.....	21.0	22.8	0.3	3.3	T					0.3	3.5	11.1	62.3
1911.....	9.6	7.3	5.2	2.2							3.6	5.7	33.6
1912.....	10.6	9.8	6.9	2.1	T						0.6	3.9	33.9
1913.....	8.6	6.9	5.1	T					T	0.3	10.8	3.7	35.4
1914.....	10.5	17.8	4.8	0.8						T	0.9	9.9	44.7
1915.....	14.8	1.9	2.5	T						T	1.1	11.1	31.4
1916.....	2.0	8.4	8.8	3.3	T					T	1.4	11.3	35.2
1917.....	11.0	6.6	7.7	0.7	T					2.2	1.9	13.2	43.3
1918.....	23.4	1.2	0.6	3.7	T					T	0.1	1.2	30.2
1919.....	1.3	2.3	1.4	T							0.2	5.1	10.3
1920.....	10.6	4.1	1.1	3.3	T					T	7.2	4.1	30.4
1921.....	2.2	5.4	0.4	0.8	T					T	2.3	4.9	16.0
1922.....	4.5	2.6	4.1	0.6						T	1.0	4.9	17.7
1923.....	4.0	5.8	4.0	0.1	1.0					T	0.2	1.2	16.3
1924.....	5.7	6.7	6.3	2.3						T	3.5	3.5	28.0
1925.....	11.5	1.8	1.3	T	T					4.0	0.6	2.8	22.0
1926.....	13.0	10.7	5.5	1.6	T					0.1	0.7	7.2	38.8
1927.....	5.7	8.1	T	0.1						T	1.3	2.9	18.1
1928.....	1.9	5.0	4.9	0.4					T	T	1.4	0.3	13.9
1929.....	9.3	9.0	2.0	T	T					T	1.3	10.2	31.8
1930.....	6.2	1.2	4.6	0.2						0.1	2.6	3.8	18.7
1931.....	2.7	1.8	6.2	2.0	T					T	2.2	T	14.9
1932.....	0.1	1.2	3.2	0.5						T	3.2	5.1	13.3
1933.....	0.4	3.3	3.0	T	T					T	4.5	6.6	17.8
Means.....	8.2	6.3	4.4	1.3	T	T			T	0.2	2.1	5.7	28.3

TABLE 11.—Frost Data and Average Length of Growing Season at Different Stations

Station	Years* of record	Average date of last killing frost in spring	Average date of first killing frost in autumn	Latest date of killing frost in spring	Earliest date of killing frost in autumn	Average length of growing sea- son, days
Akron .....	36	Apr. 29	Oct. 15	May 27	Sept. 26	169
Amesville .....	25	May 5	Oct. 11	May 28	Sept. 19	159
Ashland .....	22	May 2	Oct. 5	May 27	Sept. 15	156
Bangorville .....	42	May 3	Oct. 11	May 29	Sept. 14	161
Batavia .....	14	Apr. 23	Oct. 18	May 25	Sept. 24	178
Bellefontaine .....	34	May 6	Oct. 9	May 28	Sept. 14	156
Benton Ridge .....	32	May 7	Oct. 7	May 31	Sept. 11	153
Bladensburg .....	17	May 12	Oct. 3	June 8	Sept. 14	144
Bowling Green .....	35	May 8	Oct. 7	May 31	Sept. 14	152
Bucyrus .....	34	May 7	Oct. 5	May 29	Sept. 11	151
Cadiz .....	25	Apr. 30	Oct. 16	May 28	Sept. 22	169
Cambridge .....	35	May 6	Oct. 7	June 7	Sept. 11	154
Camp Dennison .....	22	Apr. 24	Oct. 14	May 17	Sept. 23	173
Canfield .....	12	May 11	Oct. 2	May 25	Sept. 14	144
Canton .....	36	May 1	Oct. 14	May 27	Sept. 22	166
Cardington .....	18	May 7	Oct. 7	June 8	Sept. 14	153
Catawba Island .....	12	Apr. 19	Oct. 30	Apr. 27	Oct. 13	194
Cincinnati .....	58	Apr. 9	Oct. 23	Apr. 26	Sept. 30	197
Circleville .....	34	Apr. 29	Oct. 13	May 25	Sept. 22	167
Clarington .....	23	Apr. 27	Oct. 22	May 28	Oct. 2	178
Clarksville .....	17	Apr. 20	Oct. 11	May 15	Sept. 21	174
Cleveland .....	47	Apr. 16	Nov. 4	May 21	Oct. 2	202
Coalton .....	14	Apr. 30	Oct. 2	May 23	Sept. 14	155
Columbus .....	50	Apr. 18	Oct. 19	May 17	Sept. 21	184
Coshocton .....	13	May 5	Oct. 10	May 27	Sept. 11	158
Danbury .....	13	Apr. 22	Oct. 26	May 10	Oct. 7	187
Dayton (W. B.) .....	17	Apr. 17	Oct. 25	May 25	Oct. 6	191
Dayton (Boyer) .....	29	Apr. 26	Oct. 14	May 21	Sept. 21	171
Defiance .....	18	May 4	Oct. 3	May 28	Sept. 14	152
Delaware .....	32	May 6	Oct. 5	May 28	Sept. 11	152
Demos .....	37	Apr. 30	Oct. 17	May 25	Sept. 22	170
Dennison .....	19	May 10	Oct. 14	June 8	Sept. 22	157
Dover .....	33	May 8	Oct. 7	June 8	Sept. 14	152
Findlay .....	36	May 6	Oct. 7	May 31	Sept. 11	154
Frankfort .....	28	Apr. 26	Oct. 13	May 28	Sept. 19	170
Fremont .....	27	May 2	Oct. 15	May 28	Sept. 23	166
Garrettsville .....	27	May 18	Sept. 30	June 10	Sept. 14	135
Germantown .....	15	Apr. 27	Oct. 14	May 25	Sept. 14	170
Granville .....	40	May 2	Oct. 9	May 28	Sept. 15	160
Gratiot .....	24	May 3	Oct. 8	May 28	Sept. 14	158
Green .....	32	Apr. 23	Oct. 19	May 15	Sept. 30	179
Green Hill .....	32	May 16	Oct. 1	June 10	Sept. 14	138
Greenville .....	37	Apr. 23	Oct. 16	May 25	Sept. 23	176
Hamilton .....	15	Apr. 25	Oct. 18	May 25	Sept. 23	176
Hillhouse .....	28	May 17	Oct. 9	June 21	Sept. 16	145
Hillsboro .....	27	Apr. 28	Oct. 11	May 25	Sept. 19	166
Hiram .....	35	May 1	Oct. 18	May 28	Sept. 22	170
Hudson .....	27	May 6	Oct. 11	May 29	Sept. 21	158
Ironton .....	36	Apr. 24	Oct. 18	May 22	Sept. 30	177
Jackson .....	14	Apr. 26	Oct. 11	May 15	Sept. 19	168
Jacksonburg .....	22	Apr. 28	Oct. 17	May 21	Sept. 23	172
Kenton .....	36	May 6	Oct. 10	June 8	Sept. 11	157
Killbuck .....	25	May 4	Oct. 4	May 31	Sept. 14	153
Lancaster .....	33	Apr. 25	Oct. 13	May 27	Sept. 14	171
Lima .....	28	May 4	Oct. 13	May 28	Sept. 19	162
London .....	11	May 4	Oct. 20	May 25	Sept. 24	169

\*Data from 1929-1933, inclusive, not included.

TABLE 11.—Frost Data and Average Length of Growing Season at Different Stations—Continued

Station	Years* of record	Average date of last killing frost in spring	Average date of first killing frost in autumn	Latest date of killing frost in spring	Earliest date of killing frost in autumn	Average length of growing sea- son, days
McArthur.....	18	May 1	Oct. 1	May 27	Sept. 11	157
McConnelsville.....	45	Apr. 30	Oct. 14	May 28	Sept. 26	167
Marietta.....	45	Apr. 20	Oct. 21	May 15	Sept. 26	184
Marietta Exp. Farm..	13	May 1	Oct. 16	May 15	Sept. 27	168
Marion.....	37	May 3	Oct. 11	May 29	Sept. 14	161
Marysville.....	12	May 6	Oct. 8	May 25	Sept. 11	155
Medina.....	34	May 11	Oct. 9	June 10	Sept. 21	151
Milfordton.....	33	May 7	Oct. 6	May 31	Sept. 14	152
Millersburg.....	10	May 11	Oct. 11	May 27	Sept. 15	153
Milligan.....	26	May 9	Oct. 4	June 11	Sept. 14	148
Millport.....	33	May 12	Oct. 4	June 10	Sept. 12	145
Montpelier.....	28	May 2	Oct. 6	May 28	Sept. 19	157
Mt. Healthy.....	15	Apr. 22	Oct. 18	May 25	Sept. 24	179
Napoleon.....	36	May 1	Oct. 9	May 31	Sept. 15	161
New Alexandria.....	27	Apr. 30	Oct. 12	May 28	Sept. 26	165
New Bremen.....	33	May 1	Oct. 11	May 29	Sept. 14	163
New Waterford.....	19	May 17	Oct. 3	June 10	Sept. 14	139
North Bass Island.....	11	Apr. 13	Nov. 5	Apr. 26	Oct. 13	206
North Lewisburg.....	21	May 1	Oct. 9	May 25	Sept. 23	161
North Royalton.....	30	May 4	Oct. 14	May 28	Sept. 22	163
Norwalk.....	35	May 8	Oct. 9	June 7	Sept. 14	154
Oberlin.....	35	May 9	Oct. 10	June 6	Sept. 22	154
Ohio State University.	35	Apr. 29	Oct. 11	May 25	Sept. 14	165
Orangeville.....	18	May 14	Sept. 30	May 29	Sept. 14	140
Ottawa.....	34	May 6	Oct. 7	May 27	Sept. 11	154
Pataskala.....	36	May 2	Oct. 7	May 28	Sept. 11	158
Paulding.....	33	May 10	Oct. 4	May 31	Sept. 11	147
Peebles.....	18	May 10	Oct. 12	May 26	Sept. 19	155
Philo (1).....	33	Apr. 27	Oct. 12	May 28	Sept. 19	168
Philo (2).....	26	May 2	Oct. 15	May 28	Sept. 26	166
Plattsburg.....	25	May 1	Oct. 7	May 28	Sept. 19	159
Pomeroy.....	18	Apr. 23	Oct. 11	May 22	Sept. 30	171
Portsmouth.....	40	Apr. 17	Oct. 20	May 17	Sept. 30	186
Put-in-Bay.....	12	Apr. 18	Nov. 4	Apr. 29	Oct. 18	200
Rocky Ridge.....	16	May 1	Oct. 12	May 21	Sept. 20	164
Sandusky.....	50	Apr. 15	Oct. 26	May 3	Oct. 3	194
Shenandoah.....	18	May 12	Oct. 6	June 6	Sept. 14	147
Sidney.....	34	May 1	Oct. 11	May 31	Sept. 14	163
Somerset.....	21	Apr. 23	Oct. 15	May 28	Sept. 27	175
Summerfield.....	22	May 11	Oct. 8	June 8	Sept. 11	150
Thurman.....	25	Apr. 22	Oct. 12	May 22	Sept. 21	173
Tiffin.....	40	May 1	Oct. 11	May 25	Sept. 11	163
Toboso.....	16	May 11	Oct. 6	May 27	Sept. 11	148
Toledo.....	58	Apr. 22	Oct. 18	May 29	Sept. 9	179
Upper Sandusky.....	36	May 4	Oct. 7	June 6	Sept. 11	156
Urbana.....	33	May 1	Oct. 11	May 28	Sept. 11	163
Valley Crossing.....	13	Apr. 29	Oct. 16	May 25	Sept. 26	170
Vickery.....	35	May 7	Oct. 11	June 6	Sept. 15	157
Wapakoneta.....	16	Apr. 29	Oct. 8	May 25	Sept. 11	162
Warren.....	35	May 12	Oct. 5	June 10	Sept. 14	146
Wauseon.....	59	May 10	Oct. 2	June 1	Sept. 2	145
Waverly.....	37	Apr. 29	Oct. 10	May 28	Sept. 19	164
Waynesville.....	32	Apr. 29	Oct. 16	May 28	Sept. 14	170
Wellington.....	16	May 9	Oct. 10	June 6	Sept. 22	153
Wilmington.....	12	May 7	Oct. 8	May 27	Sept. 11	154
Wooster (1).....	42	May 10	Oct. 7	June 10	Sept. 14	151

\*Data from 1929-1933, inclusive, not included.

TABLE 12.—Mean Temperature, by Months and Years, at Germantown, Montgomery County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1915.....	26.6	38.2	34.8	56.6	59.8	68.4	72.8	68.0	68.0	56.7	46.0	31.8	52.3
1916.....	36.4	28.6	37.2	51.0	63.5	65.8	78.2	75.4	65.0	54.0	43.8	30.7	52.5
1917.....	29.4	29.4	41.8	50.8	55.3	67.3	72.1	71.8	62.9	47.6	41.0	21.3	49.2
1918.....	15.2	32.2	44.3	50.0	66.4	69.6	71.6	77.6	58.6	58.6	43.0	41.6	52.4
1919.....	34.2	34.1	42.6	51.2	58.4	74.5	75.8	72.0	68.3	60.5	42.6	26.7	53.4
1920.....	24.6	29.7	42.8	46.8	59.8	69.3	71.4	70.4	67.0	59.6	41.6	34.7	51.5
1921.....	34.1	36.2	51.2	55.4	63.7	75.6	79.8	72.1	70.6	54.2	44.7	35.4	56.1
1922.....	28.2	35.0	44.6	54.6	65.2	72.8	74.7	71.9	70.8	57.7	45.4	33.9	54.6
1923.....	34.5	28.8	40.8	49.8	59.8	71.7	74.8	72.7	66.6	52.2	43.0	42.1	53.1
1924.....	26.2	30.9	37.2	52.8	55.4	69.8	70.8	72.6	61.9	58.3	43.0	29.6	50.7
1925.....	29.3	39.2	44.0	56.6	56.9	74.2	73.4	72.7	72.0	47.2	40.8	30.0	53.0
1926.....	28.6	34.3	34.5	46.2	62.2	67.0	74.4	74.6	68.0	56.0	40.6	31.0	51.4
1927.....	29.6	39.4	44.0	52.2	61.6	65.6	73.4	67.0	69.6	58.6	47.7	33.0	53.5
1928.....	30.4	32.4	40.2	48.2	60.4	65.7	74.4	74.8	63.1	58.8	43.9	35.8	52.3
1929.....	27.7	25.2	48.3	55.0	59.3	68.2	73.6	69.8	66.4	52.9	40.3	33.2	51.6
1930.....	30.0	41.5	40.6	55.0	64.6	72.1	77.9	74.4	68.7	52.8	43.6	31.7	54.4
1931.....	33.8	38.4	37.3	52.8	59.9	73.4	78.6	73.2	71.0	58.2	51.6	41.3	55.8
1932.....	40.4	40.4	36.3	51.2	62.6	73.2	76.5	73.6	66.9	54.9	40.4	32.4	54.1
1933.....	38.6	33.4	40.6	51.1	64.8	76.2	75.8	73.0	71.0	53.6	40.4	36.4	54.6
Average.....	30.4	34.1	41.2	52.0	61.0	70.5	74.7	72.5	67.2	55.4	43.3	33.3	53.0

TABLE 13.—Mean Temperature, by Months and Years, at Carpenter, Meigs County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1925.....	33.2	40.3	46.1	54.6	56.6	57.0	72.7	70.9	71.0	48.7	39.5	31.1	51.8
1926.....	29.5	35.7	36.3	49.1	60.6	66.1	71.6	73.5	68.8	57.2	42.7	34.1	52.1
1927.....	30.3	39.2	43.8	50.6	61.0	64.2	70.9	66.2	66.8	57.7	48.8	33.3	52.7
1928.....	31.0	34.9	41.7	49.6	59.0	66.2	73.9	75.1	61.7	57.9	44.1	36.2	52.6
1929.....	32.4	40.8	48.1	56.4	61.7	69.2	74.1	68.9	68.2	53.5	41.3	37.4	54.3
1930.....	34.0	41.3	40.4	55.2	64.6	72.1	76.9	72.2	70.9	54.6	45.4	33.7	55.1
1931.....	35.4	38.2	39.2	52.2	62.1	72.7	77.9	74.8	71.8	57.1	52.0	42.9	56.4
1932.....	43.3	42.3	37.0	52.4	63.3	72.3	74.6	74.3	67.8	57.1	41.5	34.7	55.1
1933.....	41.5	35.6	41.8	54.1	65.9	73.4	74.0	73.0	70.4	53.7	41.0	37.1	55.1
Average.....	34.5	38.7	41.6	52.7	61.6	68.1	74.1	72.1	68.6	55.3	44.0	35.6	53.9

TABLE 14.—Mean Temperature, by Months and Years, at Strongsville, Cuyahoga County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1925.....	26.2	33.8	40.2	52.2	55.1	74.8	73.3	71.9	67.6	44.5	38.1	27.6	50.4
1926.....	26.3	28.6	30.8	42.2	61.4	68.8	76.0	78.0	67.1	58.0	45.0	30.2	51.0
1927.....	29.1	37.7	45.0	52.6	60.7	64.4	73.7	70.5	72.0	59.4	45.5	30.9	53.5
1928.....	27.7	34.6	43.1	49.3	61.6	66.2	76.9	76.9	64.4	58.5	46.2	41.4	53.9
1929.....	29.9	27.0	47.5	53.5	59.7	67.6	74.4	69.3	68.0	56.9	40.6	31.4	52.1
1930.....	27.9	37.8	38.0	53.9	64.4	70.9	75.4	74.7	70.3	52.6	44.5	32.1	53.5
1931.....	31.7	36.1	36.3	47.5	58.8	68.7	75.6	71.3	69.1	56.5	49.2	38.2	53.2
1932.....	39.1	35.6	31.6	44.8	59.7	69.4	71.7	70.5	64.2	53.5	38.1	31.3	50.8
1933.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Average.....	29.7	33.9	39.1	49.5	60.2	68.8	74.6	72.9	67.8	55.0	43.4	32.9	52.3

TABLE 15.—Mean Temperature, by Months and Years, at  
London, Madison County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1919	32.2	32.8	41.5	50.8	58.0	73.2	75.2	70.5	67.4	60.1	40.8	25.0	52.3
1920	21.8	26.8	41.5	45.5	58.6	69.1	70.5	69.3	65.9	59.4	39.8	33.4	50.1
1921	33.0	33.9	50.3	54.8	61.8	72.7	77.7	70.2	69.8	53.2	42.5	33.2	54.4
1922	25.1	33.0	42.3	53.3	64.2	71.2	73.0	70.8	68.6	56.8	43.6	32.4	52.9
1923	32.5	26.8	37.8	49.0	58.8	70.6	73.9	71.2	64.1	51.8	40.6	40.7	51.5
1924	24.1	28.2	35.4	50.8	54.6	68.5	70.0	72.5	61.2	58.8	40.8	27.4	49.4
1925	26.5	36.8	42.6*	55.2	57.0	72.8	73.2	72.4	70.6	44.2	39.4	28.3	51.6
1926	25.6	30.9	32.0	44.7	59.6	65.0	72.8	72.8	66.2	52.1	38.6	29.2	49.1
1927	27.4	36.6	41.6	49.0	58.7	60.4	71.0	66.6	68.2	57.2	46.0	31.2	51.2
1928	28.4	30.2	37.4	45.9	59.0	64.1	73.8	75.2	66.0*	57.6	42.0	33.8	51.1
1929	24.8	24.0*	44.5	51.6	57.0	65.0	73.0	68.7*	63.8	51.8	37.0	31.2*	49.4
1930	26.7*	38.4	37.4	51.6	61.8	68.8	77.0	71.8	66.0	50.7	41.3	29.8	51.8
1931	31.2	35.6	35.6	48.6	57.6	71.6	77.0	71.6	70.4	57.0	49.6	39.4	53.8
1932	38.8	38.2	34.0	48.0	61.0	70.6	72.4	72.5	66.1	52.8	38.6	30.0	51.9
1933	36.8	31.0	38.3	49.4	62.7	74.6	74.4	72.2	67.6	51.6	38.4	32.6	52.5
Average.....	29.0	32.2	39.5	49.9	59.4	69.2	73.7	71.2	66.8	54.3	41.3	31.8	51.5

\*From Urbana records.

TABLE 16.—Mean Temperature, by Months and Years, at  
Marietta, Washington County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916	38.6	29.7	38.4	50.6	63.8	65.9	76.5	74.8	63.4	53.7	43.1	31.8	52.5
1917	30.6	29.8	40.7	51.7	56.0	67.3	72.8	72.2	62.5	49.2	39.3	24.0	49.7
1918	19.1	35.2	46.4	51.4	67.7	69.4	71.0	77.4	60.2	58.1	42.4	41.4	53.3
1919	33.9	35.0	44.4	51.4	61.7	73.8	75.2	70.6	66.8	62.0	43.6	28.2	53.9
1920	26.2	29.7	42.4	48.6	58.7	68.5	71.1	70.7	65.6	54.4	39.7	34.0	50.8
1921	33.5	35.8	50.8	54.7	62.7	73.6	77.5	72.0	72.2	54.4	45.4	35.8	55.7
1922	30.2	38.6	46.2	55.4	65.6	72.3	74.9	72.2	69.8	56.4	44.7	35.6	56.0
1923	35.3	30.4	42.2	51.2	61.1	72.4	73.6	72.5	67.2	52.4	42.0	43.6	53.8
1924	29.0	32.0	39.6	52.8	56.4	70.4	72.0	73.8	62.4	55.0	42.5	32.3	51.5
1925	31.4	38.8	44.5	56.2	57.8	73.6	72.6	72.2	72.6	49.2	40.1	31.6	53.4
1926	27.8	34.5	37.0	47.8	62.8	67.3	74.3	75.1	68.8	55.3	42.0	33.2	52.2
1927	31.8	39.4	45.2	52.8	63.0	66.4	72.8	67.8	67.4	57.0	47.8	33.7	53.8
1928	31.6	33.8	40.9	48.8	60.0	67.0	74.1*	76.2	62.4	57.4	44.9	36.0	52.8
1929	31.2	29.4	48.0	56.5	61.2	69.6	74.7	70.0	67.7	53.4	42.1	36.2	53.3
1930	33.2	40.6	41.4	55.8	64.7	72.1	77.2	73.2	69.8	51.8	43.3	33.9	51.4
1931	36.2	36.6	39.5	52.4	62.3	72.6	79.5	74.1	72.0	58.4	55.1	42.4	56.7
1932	42.8	41.6	37.6	52.2	64.4	73.4	76.3	74.1	68.5	57.4	41.6	35.5	55.4
1933	41.5	34.4	41.4	55.6	67.3	75.0	75.5	74.6	71.8	54.8	42.4	38.3	56.1
Average.....	32.4	34.7	42.6	52.6	62.1	70.6	74.5	73.0	67.3	55.0	43.4	34.9	53.5

\*Readings from Government Station after June 1928.

TABLE 17.—Mean Temperature, by Months and Years, at  
Mt. Healthy, Hamilton County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916.....	37.8	30.0	38.7	51.4	64.8	66.4	77.6	76.0	65.6	55.8	45.6	31.8	53.5
1917.....	32.0	30.8	42.8	51.5	56.6	68.5	73.0	72.8	64.6	48.2	41.9	21.7	50.4
1918.....	15.6	33.6	48.8	50.5	66.4	68.6	71.0	77.0	60.4	57.5	44.0	41.4	52.9
1919.....	35.2	34.4	45.8	51.0	59.1	74.3	76.6	72.4	70.3	61.2	43.1	28.0	54.3
1920.....	26.2	29.6	45.8	48.3	62.0	70.2	74.3	71.8	68.7	60.9	43.4	35.2	53.0
1921.....	35.6	37.8	53.1	56.4	64.8	76.2	79.8	74.2	72.6	55.4	46.4	37.1	57.4
1922.....	29.6	36.8	45.6	55.8	66.4	73.9	75.2	73.4	70.4	58.2	46.8	35.7	55.7
1923.....	36.2	28.8	41.0	51.4	60.7	72.0	73.8	73.0	67.4	54.0	43.6	42.8	53.7
1924.....	26.4	31.0	37.9	53.9	56.2	71.4	71.8	74.0	62.6	59.4	43.6	30.7	51.6
1925.....	30.5	40.2	45.0	57.4	56.7	73.9	73.8	72.9	73.4	48.4	43.0	29.9	53.8
1926.....	29.4	34.9	34.8	46.8	63.0	68.0	74.4	74.9	68.6	55.4	41.0	32.2	52.0
1927.....	30.5	39.5	44.4	52.2	62.4	66.1	74.2	67.4	70.5	59.0	47.4	33.2	53.9
1928.....	30.8	32.6	40.4	47.4	60.2	64.2	73.9	75.2	64.0	59.8	44.4	35.8	52.4
1929.....	28.8	26.2	48.3	54.8	59.7	67.9	73.6	69.8	66.6	53.2	40.0	33.0	51.8
1930.....	29.7	40.2	38.7	56.6	64.1	72.3	77.8	73.9	68.6	53.2	43.5	32.1	54.2
1931.....	34.4	38.5	37.9	52.0	58.7	72.8	78.0	73.0	71.2	58.1	52.3	41.4	55.7
1932.....	40.8	41.2	36.0	52.0	63.3	72.6	76.4	74.1	66.4	54.7	40.6	32.5	54.2
1933.....	39.8	33.8	41.9	51.6	64.6	76.6	75.6	73.0	71.3	53.6	40.3	37.4	55.0
Average.....	31.6	34.4	42.6	52.3	61.7	70.9	75.0	73.3	68.0	55.9	43.9	34.0	53.6

TABLE 18.—Mean Temperature, by Months and Years, at  
Canfield, Mahoning County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916.....	.....	.....	.....	.....	59.7	61.8	72.8	71.2	62.6	52.4	41.3	28.8	.....
1917.....	27.0	22.6	37.2	46.1	52.3	65.9	71.6	70.0	59.4	45.6	36.2	21.0	46.2
1918.....	13.4	28.5	41.0	47.2	65.0	66.2	69.4	73.4	55.6	54.0	40.7	38.0	49.4
1919.....	31.3	30.2	38.6	47.2	56.0	70.8	72.1	66.6	62.6	54.2	39.6	23.4	49.4
1920.....	19.0	23.8	37.8	42.5	53.6	64.4	66.6	68.2	62.1	55.4	38.5	31.4	46.9
1921.....	30.7	32.0	46.4	53.6	59.2	69.9	75.8	68.6	72.4	51.2	40.4	30.0	52.5
1922.....	23.6	32.5	40.0	49.6	60.2	67.8	69.8	67.2	65.0	54.6	41.8	29.6	50.1
1923.....	28.8	23.8	34.6	45.8	55.0	67.2	66.6	65.0	61.4	45.7	37.6	38.6	47.5
1924.....	22.8	23.2	33.4	46.4	51.6	63.9	66.8	68.2	58.4	51.6	39.6	26.0	46.0
1925.....	23.4	32.6	39.0	50.9	52.8	70.1	69.2	69.6	65.9	42.6	36.5	27.4	48.3
1926.....	25.3	28.2	30.6	42.0	56.0	63.0	69.3	71.2	63.2	50.9	38.5	27.8	47.2
1927.....	25.1	33.4	40.6	46.6	57.7	61.4	69.2	63.2	65.4	55.1	43.8	30.8	49.4
1928.....	27.9	28.8	35.0	42.3	55.2	63.5	71.4	72.2	58.9	56.0	41.6	33.8	48.9
1929.....	24.8	23.8	44.1	49.6	56.3	64.6	69.8	64.6	64.3	49.6	37.4	30.1	48.2
1930.....	25.7	35.0	34.8	47.6	58.8	66.0	71.8	68.9	66.2	48.4	40.2	28.2	49.3
1931.....	27.8	30.6	32.8	44.0	55.6	66.4	73.8	71.0	67.8	54.7	48.6	37.6	50.9
1932.....	38.9	35.4	31.0	45.4	58.8	67.8	70.3	69.0	64.8	53.8	38.8	31.8	50.5
1933.....	36.7	30.2	35.8	49.8	60.8	70.8	72.4	70.1	66.3	50.6	36.8	33.2	51.1
Average.....	26.6	29.1	37.2	46.9	56.9	66.2	70.5	68.8	63.5	51.5	39.9	30.4	48.9



TABLE 19.—Mean Temperature, by Months and Years, at Paulding, Paulding County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916.....	31.4	24.6	33.2	49.0	60.4	64.4	78.8	76.8	64.0	54.4	41.2	25.2	50.1
1917.....	24.6	21.8	38.6	47.0	53.2	65.2	71.2	70.4	60.8	44.0	37.8	19.7	46.2
1918.....	10.8	28.0	43.6	48.0	66.0	68.2	71.0	76.8	57.7*	54.4	41.4	37.6	50.3
1919.....	31.4	31.2	39.2	49.2	57.7	73.4	75.2	70.5	67.0	56.8	40.0	23.8	51.3
1920.....	17.0	23.7	38.5	42.9	56.5	68.2	69.2	69.0	65.5	57.6	38.8	31.8	48.2
1921.....	31.3	32.0	46.2	52.4	60.8	73.7	78.6	70.6	70.2	52.8	40.6	33.1	53.5
1922.....	23.7	30.8	39.3	50.4	63.2	70.0	71.8	70.6	66.0	54.6	42.7	29.3	51.0
1923.....	29.6	22.8	35.2	46.4	55.8	71.2	72.3	69.1	64.3	49.1	40.2	38.1	49.5
1924.....	21.6	25.8	34.4	48.4	53.5	65.2	69.2	70.6	60.4	55.8	39.2	25.2	47.4
1925.....	21.4	33.8	38.4	52.2	54.2	71.6	70.4	70.6	68.2	45.0	37.0	25.9	49.1
1926.....	26.0	27.9	31.6	42.3	59.2	63.9	71.6	72.4	63.8	53.2	38.5	25.8	48.0
1927.....	22.7	32.8	39.4	47.4	58.1	64.4	72.0	65.0	66.8	55.0	45.0	29.5	49.8
1928.....	27.2	27.9	35.6	45.2	57.8	62.6	73.5	74.1	62.2	56.6	41.9	32.3	49.7
1929.....	20.1	21.4	46.6	54.0	58.2	66.4	73.0	68.8	63.4	50.2	37.2	27.6	48.9
1930.....	22.0	37.8	37.2	50.0	62.2	69.4	75.4	72.6	66.8	51.4	41.0	29.8	51.3
1931.....	31.0	34.6	34.6	49.8	58.3	71.3	76.4	72.9	69.5	56.2	48.2	37.8	53.4
1932.....	37.3	35.0	31.3	48.0	60.7	71.2	74.3	72.7	64.4	53.8	35.5	29.0	51.1
1933.....	35.2	30.0	36.0	49.2	61.4	75.8	75.5	71.4	69.4	50.6	37.7	32.0	52.0
Average.....	25.8	29.0	37.7	48.4	58.7	68.7	73.1	71.3	64.0	52.0	39.9	30.8	50.0

\*From Ottawa Station.

TABLE 20.—Mean Temperature, by Months and Years, at Batavia, Clermont County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916.....	38.8	30.0	39.4	51.8	64.6	67.0	78.3	75.8	65.0	55.3	45.8	32.2	53.7
1917.....	32.1	29.2	42.6	52.1	57.0	68.6	73.6	73.6	65.4	48.6	41.8	23.0	50.6
1918.....	17.4	35.0	49.5	52.0	68.2	71.4	73.2	78.3	61.2	60.2	44.4	42.2	54.4
1919.....	35.6	36.0	44.8	53.2	61.4	75.4	76.9	72.8	70.8	63.0	42.4	28.1	55.0
1920.....	27.0	30.5	44.0	49.1	60.1	69.6	72.3	71.2	68.0	60.8	42.4	35.6	52.6
1921.....	35.4	37.5	52.8	56.6	63.9	75.2	79.0	72.8	71.6	55.1	45.7	36.4	56.8
1922.....	30.1	36.8	46.2	56.0	66.2	73.1	75.0	73.2	70.2	58.0	46.6	36.4	55.7
1923.....	36.6	29.0	41.4	51.4	60.8	72.0	74.8	73.7	67.4	53.5	43.5	43.8	54.0
1924.....	27.4	32.0	38.4	53.9	57.4	71.4	71.8	73.8	61.8	59.2	44.0	31.2	51.9
1925.....	30.7	40.8	45.4	58.0	58.0	75.9	74.2	73.6	73.8	48.4	41.4	31.3	54.3
1926.....	30.0	35.8	35.2	48.1	63.6	68.0	75.4	75.7	69.4	56.7	40.7	32.7	52.6
1927.....	31.8	41.0	45.6	53.0	63.6	66.8	74.4	66.2	70.7	59.4	48.4	33.8	54.6
1928.....	31.6	33.1	41.4	47.4	61.4	67.4	75.0	75.0	63.1	59.2	44.2	36.6	53.0
1929.....	28.6	26.9	48.8	56.2	60.7	69.6	74.1	70.0	67.4	54.0	41.0	34.3	52.6
1930.....	31.6	42.8	40.8	57.0	66.0	72.8	79.2	75.6	71.9	53.0	44.6	32.6	55.7
1931.....	34.6	39.8	37.9	53.4	60.9	73.0	77.3	73.2	72.2	60.2	52.8	41.9	56.4
1932.....	41.5	42.2	38.0	52.9	63.8	74.2	76.3	73.4	68.2	56.8	41.3	33.8	55.2
1933.....	40.6	34.7	42.2	53.2	66.5	76.5	76.6	73.8	72.6	55.2	42.1	38.6	56.0
Average.....	32.3	35.2	43.0	53.1	62.5	71.6	75.4	73.4	68.4	56.5	44.1	34.7	54.2

TABLE 21.—Mean Temperature, by Months and Years, at  
Cortland, Trumbull County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1921.....	29.6	32.0	45.8	53.3	59.9	70.3	76.8	67.7	68.0	40.9	29.7	30.0*	50.3
1922.....	21.8	31.6	41.9	48.5	61.5	68.1	69.8	67.2*	66.1	53.2	42.7	30.4	50.2
1923.....	28.1	22.6	33.3	48.5	56.4	69.5*	70.1	69.7	64.8	50.0	40.0	38.7	49.3
1924.....	23.8	24.4	34.9	45.5	57.6	65.7	69.4	69.4	59.6	51.1	39.6*	26.0*	47.2
1925.....	24.6	35.7	42.4	55.1	55.7	75.4	71.4	73.2	68.2	47.4	39.1	27.4*	51.3
1926.....	27.8	31.4	35.7	43.8	56.8	62.3	68.2	75.0	64.2	52.3	40.5	27.1	48.8
1927.....	25.1	33.2	41.4	48.1	59.1	63.8	71.4	65.3	66.2	56.2	44.8	31.1	50.5
1928.....	26.8	29.4	36.9	45.1	55.1	64.8	73.8	73.8	60.5	56.5	42.9	34.3	50.0
1929.....	24.8	27.2	45.2	51.5	58.6	66.6	72.6	64.7	65.9	62.4	39.4	31.7	50.9
1930.....	27.6	35.9	36.0	49.5	61.3	68.7	73.2	69.6	66.7	48.8	39.0	28.0	50.4
1931.....	26.4	28.3	30.6	44.4	54.6	65.5	73.9	68.8	64.6	53.4	45.3	33.5	49.1
1932.....	35.5	31.6	30.9	47.2	59.6	68.7	70.3	69.0	64.8	54.6	37.3	31.4	50.1
1933.....	36.4	30.4	36.3	50.4	61.7	72.2	73.1	70.7	68.1	51.6	37.7	33.3	51.8
Average.....	27.6	30.3	37.8	48.5	58.3	67.8	71.8	69.5	65.2	52.2	39.8	31.0	50.0

\*From Canfield records.

TABLE 22.—Mean Temperature, by Months and Years, at  
St. Clairsville, Belmont County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1925.....	30.3	39.0	42.3	55.7	60.2	79.0	78.4	73.0	71.0	47.9	40.0	30.4	53.9
1926.....	29.0	32.9	34.4	46.2	64.8	73.6	79.7	77.3	67.3	53.4	41.0	24.9	52.0
1927.....	30.0	37.0	41.0	44.0	63.0	68.0	79.0	75.0	72.0	62.0	44.0	33.0	54.0
1928.....	29.0	31.0	36.0	42.0	63.0	73.0	76.0	73.2	69.0	54.0	42.0	35.0	51.9
1929.....	26.0	29.0	43.0	53.0	58.0	76.0	74.0	66.0	66.0	53.0	39.0	31.0	51.2
1930.....	29.4	38.8	40.7	52.4	63.1	69.7	74.7	71.9	69.3	51.3	43.2	29.9	52.9
1931.....	31.8	33.9	36.2	51.2	59.0	69.5	79.5	70.5	68.8	56.7	51.4	42.2	54.2
1932.....	44.2	39.2	33.3	46.9	60.9	68.2	72.6	72.4	66.8	54.7	40.2	33.2	52.7
1933.....	38.3	30.2	38.8	53.4	64.4	74.2	74.4	73.3	69.9	57.2	39.5	35.8	54.1
Average.....	32.0	34.6	38.4	49.4	61.8	72.4	76.5	72.5	68.9	54.5	42.3	32.8	53.0

TABLE 23.—Mean Temperature, by Months and Years, at  
Fleming, Washington County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1921.....	40.6	44.5	55.3	60.2	63.2	73.4	76.1	71.3	72.2	57.2	49.2	39.2	58.5
1922.....	34.8	40.8	50.0	57.2	65.0	71.2	73.7	71.0	70.3	58.5	49.1	40.1	56.8
1923.....	38.0	32.8	44.0	53.7	61.7	70.4	72.1	71.1	67.3	55.9	46.1	48.6	55.1
1924.....	33.8	34.0	41.0	54.2	57.0	67.4	70.1	73.1	62.9	59.6	46.8	34.9	52.9
1925.....	35.1	43.0	46.4	57.7	57.7	73.0	72.3	72.0	73.8	66.9	50.5	43.5	57.7
1926.....	31.7	37.6	39.1	48.8	63.6	66.9	73.7	74.1	69.7	56.8	44.4	35.3	53.5
1927.....	34.3	42.6	47.6	55.2	63.7	64.2	72.5	67.6	68.7	60.1	50.2	37.4	55.3
1928.....	33.7	36.1	42.9	51.1	61.2	66.5	72.7	74.0	61.2	59.6	45.8	40.5	53.8
1929.....	32.5	32.1	49.7	57.2	62.2	68.2	72.1	68.9	67.8	61.7	44.9	38.7	54.7
1930.....	35.6	43.2	44.6	56.5	64.6	71.2	78.1	74.1	71.6	54.1	47.3	35.7	56.4
1931.....	37.8	40.1	40.2	53.2	62.0	71.1	78.7	73.2	72.6	60.5	55.1	44.8	57.4
1932.....	47.2	44.0	38.6	53.4	65.3	73.0	75.6	75.0	71.3	59.2	45.5	37.9	57.2
1933.....	44.0	36.3	43.0	54.8	66.8	75.8	76.2	75.8	73.9	58.1	44.9	43.5	57.8
Average.....	36.9	39.0	44.8	54.9	62.6	70.2	74.1	72.4	69.5	59.1	47.7	40.0	55.9

TABLE 24.—Precipitation, by Months and Years, at  
Germantown, Montgomery County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1905.....				3.45	7.70	3.00	3.80	7.90	3.56	4.10	2.24	3.28	.....
1906.....	2.92	1.07	6.93	1.88	1.34	2.88	6.24	7.46	2.30	1.65	3.80	4.32	42.79
1907.....	7.22	.32	6.23	2.26	3.20	3.65	4.10	1.93	5.64	2.92	3.25	3.22	43.96
1908.....	2.11	6.33	4.24	4.53	4.47	1.42	3.86	1.36	.35	.27	1.70	1.31	31.95
1909.....	3.41	7.67	2.07	5.58	6.98	5.93	4.50	3.34	.89	3.13	1.95	4.00	49.45
1910.....	3.00	4.25	.10	1.87	5.08	1.58	3.95	1.11	3.96	7.60	.96	2.85	36.41
1911.....	5.00	1.46	3.00	6.01	1.36	2.67	1.78	4.56	5.16	4.48	3.06	3.81	42.35
1912.....	3.23	1.68	4.29	6.51	3.49	2.24	3.78	9.05	2.50	2.79	.72	3.30	43.58
1913.....	8.40	2.05	7.32	5.25	2.62	2.40	3.49	2.23	2.33	2.56	4.80	.88	44.33
1914.....	2.62	3.75	3.05	2.47	1.43	2.68	2.51	6.21	8.78	3.24	2.03	2.71	33.57
1915.....	2.95	1.75	1.34	1.54	5.58	3.01	5.48	7.40	5.62	2.12	2.34	3.53	42.66
1916.....	6.34	1.41	3.20	2.13	3.58	5.22	1.76	3.06	2.78	1.91	1.89	2.78	36.06
1917.....	4.15	1.56	4.31	3.27	4.11	4.37	3.43	3.56	1.82	3.77	5.00	1.95	36.80
1918.....	4.07	2.14	1.71	3.51	4.18	3.51	1.94	6.31	4.60	1.86	1.66	3.32	38.80
1919.....	1.08	.68	4.85	4.16	4.53	1.50	4.34	3.73	1.02	7.93	3.97	2.30	40.09
1920.....	1.44	1.81	3.48	7.57	2.95	5.43	3.47	3.15	3.01	1.38	3.19	2.05	38.93
1921.....	2.79	2.41	8.06	4.01	1.69	1.25	1.84	4.77	4.48	2.66	6.77	4.04	44.77
1922.....	1.46	1.74	6.39	5.03	5.94	1.32	2.84	4.74	2.71	1.92	1.94	4.49	40.52
1923.....	4.00	2.26	3.18	2.43	3.26	3.09	1.88	3.72	2.70	1.42	2.27	6.12	36.33
1924.....	4.12	1.50	4.27	2.17	3.72	5.92	4.18	2.09	2.45	.23	1.48	3.78	35.91
1925.....	1.02	1.78	2.56	3.29	1.40	3.28	3.43	3.52	8.71	7.90	6.04	.67	43.60
1926.....	2.23	3.27	2.71	3.45	3.21	1.94	2.90	7.96	5.16	5.83	1.33	2.18	42.17
1927.....	4.16	1.45	4.48	5.75	4.13	2.97	3.59	2.29	2.16	3.68	5.85	2.90	43.41
1928.....	1.56	2.57	1.99	3.43	1.15	6.11	3.61	2.41	1.24	2.78	3.62	2.46	32.93
1929.....	6.15	4.00	2.76	3.64	7.66	5.17	4.90	1.53	3.19	3.67	3.58	3.08	49.33
1930.....	6.45	3.48	2.41	1.75	2.34	1.85	1.55	3.17	2.53	.99	1.57	1.05	29.14
1931.....	1.55	1.78	2.54	3.74	2.44	5.26	2.99	5.21	3.44	3.21	3.21	4.52	39.89
1932.....	6.53	1.54	2.97	1.41	1.72	8.06	4.48	.75	4.67	3.57	2.99	5.32	44.01
1933.....	2.43	2.30	6.47	3.90	8.45	.40	2.02	2.47	4.39	2.18	1.00	2.58	38.59
Average.....	3.66	2.43	3.82	3.65	3.78	3.38	3.40	4.03	3.52	3.16	2.75	3.06	40.08

TABLE 25.—Precipitation, by Months and Years, at  
Carpenter, Meigs County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1903.....				3.75	5.69	5.07	4.23	1.02	1.02	2.60	2.73	3.28	.....
1904.....	3.74	2.89	5.07	3.03	2.69	3.16	3.79	2.71	2.08	1.10	.18	3.40	33.84
1905.....	1.02	1.35	4.07	2.70	7.02	5.11	3.77	4.11	1.02	5.20	2.45	3.51	41.33
1906.....	3.58	1.85	3.82	1.43	1.40	6.39	1.40	2.92	3.24	2.58	3.59	3.50	35.61
1907.....	8.94	2.28	6.13	3.57	3.47	4.49	4.84	4.10	2.94	2.38	2.14	1.72	47.00
1908.....	1.37	4.31	7.80	5.15	3.36	2.92	3.74	3.50	.48	.85	1.37	2.13	37.98
1909.....	3.05	5.72	2.77	4.10	4.29	7.63	4.18	2.18	.86	2.12	.90	2.05	39.85
1910.....	6.40	4.70	.20	3.23	2.91	2.35	3.40	1.74	.99	1.68	1.42	2.80	31.82
1911.....	5.56	3.08	2.26	3.90	2.06	6.14	1.19	4.69	5.18	3.68	2.20	4.01	43.95
1912.....	1.48	2.44	3.39	4.04	2.90	2.92	5.46	2.56	2.51	1.80	.38	2.09	31.97
1913.....	6.78	1.98	1.71	2.74	4.23	2.29	2.64	2.38	2.07	2.89	2.34	2.36	34.41
1914.....	1.17	2.05	1.72	2.84	2.33	2.53	1.23	4.88	1.07	2.98	1.08	4.65	28.53
1915.....	2.91	.95	1.05	1.22	4.95	4.40	3.90	2.76	3.64	1.96	3.35	4.85	35.94
1916.....	4.91	3.33	3.83	1.95	4.72	3.57	2.20	2.95	1.89	2.22	1.46	3.29	36.34
1917.....	5.28	1.37	6.19	3.87	3.61	5.28	5.20	1.58	1.52	4.71	.95	.65	39.91
1918.....	2.37	2.99	4.07	4.54	2.81	4.85	1.48	3.05	1.55	3.23	2.61	4.90	38.45
1919.....	2.78	1.53	3.02	2.21	5.74	2.72	5.03	6.30	1.20	5.34	4.85	4.08	44.80
1920.....	4.27	2.00	3.54	5.96	2.42	3.78	4.95	2.51	2.92	1.87	1.78	1.81	37.81
1921.....	3.38	1.72	4.89	1.87	4.89	1.46	4.25	5.55	6.62	1.70	5.90	4.41*	46.64
1925†.....	3.05	2.75*	2.39	2.76	3.40	1.66	5.34	2.09	1.57	5.88	4.39	1.01*	36.24
1926.....	4.36*	4.36*	2.63	2.63*	2.82	5.82	7.23	9.21	2.64	4.69	2.05	2.41	50.85
1927.....	4.91	3.73	3.13	5.93	4.10	1.56	6.92	3.46	.91	1.49*	5.53	4.46	46.13
1928.....	2.12	2.29	3.66	3.57	1.26	8.49	4.64	2.54	1.44	2.16	3.19	1.64	37.00
1929.....	2.46	1.90	2.05	4.09	5.13	6.92	2.73	2.44	4.25	4.18	3.56	4.09	43.80
1930.....	3.03	2.61	3.23	1.30	1.15	2.17	1.96	4.35	1.00	.63	1.37	1.92	34.72
1931.....	1.35	2.64	3.22	6.22	3.26	5.18	3.71	4.57	4.59	3.69	2.17	4.12	44.72
1932.....	4.42	1.55	4.93	1.28	1.64	3.36	4.82	2.36	1.58	2.16	3.11	3.04	34.25
1933.....	3.42	3.26	7.01	4.36	7.48	1.04	2.72	5.71	2.81	.91	.76	4.49	43.97
Average.....	3.63	2.65	3.62	3.36	3.63	4.04	3.82	3.51	2.27	2.74	2.42	3.09	39.18

\*From McArthur records.

†No record 1922 to 1924, inclusive.

TABLE 26.—Precipitation, by Months and Years, at  
Strongsville, Cuyahoga County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1897.....	0.91	1.62	3.29	3.88	5.99	1.88	5.56	3.25	1.13	0.87	7.02	1.92	37.32
1898.....	5.47	3.75	4.82	2.37	3.43	5.60	4.25	5.69	2.72	5.59	3.25	7.39	54.33
1899.....	4.35	2.32	5.25	3.11	5.58	2.10	5.75	.61	3.14	2.86	1.55	6.36	42.98
1900.....	3.22	5.53	3.01	2.22	1.85	1.36	4.73	2.49	3.56	2.22	4.91	1.94	37.04
1901.....	2.73	2.20	4.35	4.76	5.14	3.32	3.15	7.46	5.51	.47	2.51	5.34	48.94
1902.....	1.17	1.40	2.64	2.91	4.29	9.34	7.39	4.52	5.58	2.73	2.35	3.34	47.66
1903.....	2.37	2.97	3.18	6.68	1.45	3.78	6.49	8.72	1.88	3.09	2.70	2.62	45.93
1904.....	6.51	3.59	4.68	3.47	6.07	1.45	5.80	3.42	2.73	1.20	.50	3.87	43.35
1905.....	2.48	2.73	3.24	3.97	4.38	2.18	5.04	4.11	3.50	2.95	2.92	1.66	39.16
1906.....	2.03	2.06	.....	1.93	1.01	4.67	2.72	4.30	6.70	.....	4.77	5.12	.....
1907.....	5.21	1.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1908.....	.....	.....	.....	.....	2.82	2.17	3.70	3.10	1.00	1.60	1.08	1.90	.....
1909.....	2.48	2.56	.....	3.49	4.13	3.20	4.40	3.60	2.71	2.60	2.80	1.30	.....
1910.....	4.80	2.21	1.10	.....	3.05	2.50	1.00	1.37	4.85	3.90	3.98	2.99	.....
1911.....	.....	1.16	1.85	3.03	1.95	1.80	.80	3.28	5.33	3.85	.....	1.51	.....
1912.....	1.38	1.49	2.91	5.12	3.62	1.80	6.88	4.74	4.34	2.40	.20	1.89	36.77
1913.....	4.50	1.45	9.30	2.08	2.15	1.30	2.60	1.70	3.30	3.59	2.61	1.13	35.71
1914.....	2.00	1.90	2.40	4.95	5.30	3.40	2.00	5.32	.40	.....	.....	.....	.....
1915.....	1.79	1.45	.....	.....	2.25	3.46	3.86	2.47	3.86	.95	1.41	1.52	.....
1916.....	3.10	.48	1.26	2.22	2.72	5.02	1.20	1.24	3.60	2.37	2.01	1.19	26.41
1917.....	1.92	1.40	2.88	3.42	4.83	2.64	2.52	2.24	2.11	4.21	.87	1.47	30.31
1918.....	1.64	1.04	1.35	2.24	4.87	4.03	2.17	1.41	4.16	1.85	.....	.....	.....
1919.....	1.62	1.39	2.16	3.73	4.28	1.84	4.28	7.03	2.44	6.93	5.21	1.78	42.69
1920.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1921.....	1.64*	1.55	4.24	2.77	2.18	2.12	4.23	4.19	5.03*	3.20	1.54	.38	33.07
1922.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1923.....	1.19	.84	1.37	2.78	3.61	2.04	1.98	5.84	3.65	1.96	2.59	5.40	33.25
1924.....	1.84*	.24*	1.07*	2.67*	4.45	8.20	3.24	2.05	6.63	.86	.69	3.57	.....
1925.....	.95	2.73	2.82	1.65	2.82	3.04	4.15	1.96	6.82	3.95	2.91	.97	34.77
1926.....	1.98	1.40	1.67	4.16	2.61	3.43	3.76	5.21	6.71	7.34	2.82	.68	41.77
1927.....	1.88	2.08	4.03	2.77	4.88	2.50	3.13	1.51	3.66	2.00	7.28	3.59	39.31
1928.....	1.40	3.38	1.69	2.34	2.68	5.63	6.70	1.82	.95	2.37	3.78	.96	33.70
1929.....	3.35	.40	2.89	6.38	4.39	4.41	5.86	1.45	2.01	2.33	2.95	3.62	40.04
1930.....	6.09	2.31	3.48	2.36	1.48	3.05	1.97	1.77	2.29	1.41	1.25	1.95	29.41
1931.....	2.02	3.80	2.13	5.77	3.04	4.88	.92	3.24	3.34	1.55	3.27	2.88	36.84
1932.....	4.97	1.26	2.59	2.57	3.98	2.01	4.30	2.08	1.32	3.28	4.07	4.13	36.56
1933.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Average.....	2.78	2.00	3.02	3.39	3.55	3.34	3.83	3.43	3.54	2.79	2.86	2.72	38.64

\*From North Royalton records.

TABLE 27.—Precipitation, by Months and Years, at  
London, Madison County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1919.....	1.30	1.14	3.94	2.73	5.32	2.49	3.61	2.66	0.83	5.85	4.78	1.51	36.16
1920.....	1.03	0.77*	3.52	6.30	2.60	4.35	6.08	4.88	2.99	1.95	3.30	2.25	40.02
1921.....	2.78	2.38	7.82	5.43	4.58	2.10	1.08	4.47	2.80	2.78	6.35	3.26	45.83
1922.....	1.53	1.33	5.10	5.32	5.92	1.58	3.21	3.72	1.22	1.15	1.75	3.02	34.85
1923.....	3.40	1.87	2.38	2.30	2.22	2.68	5.16	7.53	2.09	1.75	2.16	6.36	39.90
1924.....	3.64	1.58	3.78	1.86	3.89	6.95	3.86	0.56	2.85	0.21	1.83	2.67	33.68
1925.....	1.00	1.36	2.80*	4.46	3.12	3.00	2.96	1.20	4.90	3.74	5.38	1.40	35.32
1926.....	2.25*	2.94*	2.38	3.31	3.15	1.94	4.23	6.60	7.06	4.64	1.90	2.59*	42.99
1927.....	3.84	2.44	3.29	5.05	4.90	3.50	3.05	2.64	3.45	1.43	6.31	3.10	43.00
1928.....	1.31	2.07	2.75	3.10	1.51	8.42	3.70	1.55	0.67	4.05	3.53	2.68	35.34
1929.....	5.15	.....	3.23	4.78	7.40	2.32	5.58	.....	3.66	4.80	4.15	2.77*	.....
1930.....	5.57*	2.48	1.65	1.80	2.69	2.40	1.22	1.00	1.86	0.52	1.35	0.97	23.51
1931.....	1.10	1.28	1.17	4.22	2.09	2.40	5.30	6.10	5.20	3.33	2.82	4.56	39.57
1932.....	5.93	1.11	1.65	1.81	1.49	6.14	5.27	0.67	2.02	3.33	2.96	3.41	35.79
1933.....	1.95	2.10	7.37	3.93	6.81	0.59	1.27	4.02	3.57	1.50	1.11	3.06	37.28
Average.....	2.79	1.77	3.52	3.76	3.85	3.39	3.71	3.40	3.01	2.74	3.31	2.91	37.37

\*From Urbana records.

TABLE 28.—Precipitation, by Months and Years, at  
Marietta, Washington County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916.....	3.24	2.15	2.78	1.80	5.55	4.40	2.12	4.08	2.23	2.74	1.95	3.53	36.57
1917.....	4.50	1.96	4.07	4.55	4.49	6.36	3.91	3.04	1.69	5.50	1.73	.91	41.71
1918.....	3.15	2.33	3.88	4.84	4.15	1.96	2.75	4.71	2.58	3.81	1.64	4.47	40.27
1919.....	2.77	1.36	3.13	2.85	3.97	3.86	3.07	5.89	2.66	5.30	6.67	4.09	45.62
1920.....	3.92	2.12	2.80	5.14	1.94	5.48	6.50	2.02	2.54	1.97	1.85	1.75	38.03
1921.....	3.55	1.71	4.61	2.99	3.94	3.58	3.75	3.27	4.27	1.78	6.27	3.77	43.49
1922.....	1.93	1.68	5.71	4.66	5.02	5.84	6.13	5.37	2.46	3.12	1.02	3.64	46.58
1923.....	3.09	2.42	3.08	3.58	3.76	4.11	6.15	4.07	2.02	1.36	4.14	6.16	43.94
1924.....	3.97	2.66	3.15	2.69	4.52	3.01	3.82	1.61	6.80	.10	1.63	2.52	36.48
1925.....	3.33	2.46	2.05	1.96	3.01	3.61	6.10	1.54	.60	5.62	3.34	.63	34.25
1926.....	3.02	3.95	2.11	1.49	1.50	3.77	5.70	7.02	4.58	4.60	2.97	3.17	43.88
1927.....	4.19	3.66	3.60	4.90	3.89	3.74	6.22*	3.53	1.65	2.36	6.92	3.24	47.90
1928.....	1.65	3.22	3.75	4.17	2.66	7.68	3.30*	5.73	1.19	2.45	3.15	1.86	40.81
1929.....	3.31	2.69	2.66	4.08	4.73	5.12	1.74	3.59	3.21	4.63	3.57	3.02	42.35
1930.....	2.45	2.45	3.60	1.70	1.45	1.27	1.27	2.30	1.67	1.00	1.05	2.51	22.72
1931.....	1.01	2.71	2.44	4.48	4.70	4.17	2.04	3.54	3.57	1.74	2.19	3.96	36.55
1932.....	5.53	1.53	4.87	2.19	1.66	3.86	3.57	5.40	1.60	2.53	3.47	2.33	38.54
1933.....	3.24	1.95	6.23	3.93	6.28	1.47	3.58	3.34	4.53	.45	1.66	3.79	40.45
Average.....	3.21	2.39	3.58	3.44	3.73	4.07	3.98	3.89	2.77	2.84	3.01	3.08	40.00

\*Readings from the Government Station after June 1928.

TABLE 29.—Precipitation, by Months and Years, at  
Mt. Healthy, Hamilton County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916.....	5.91	1.76	2.57	2.68	4.01	5.13	1.45	3.29	2.03	1.05	1.78	2.73	34.39
1917.....	5.04	1.61	3.67	4.45	5.13	4.81	4.61	1.41	3.79	4.50	0.36	2.38	41.76
1918.....	3.98	2.63	4.01	3.26	4.05	7.75	3.30	5.34	3.90	2.94	1.70	3.54	46.40
1919.....	1.44	1.05	4.60	3.77	4.39	1.92	3.13	1.96	2.94	10.70	4.15	2.55	42.60
1920.....	2.90	1.65	4.15	3.80	4.96	2.87	4.52	4.49	4.92	1.48	3.19	1.99	42.95
1921.....	2.02	2.01	6.52	4.26	2.60	2.22	1.67	4.22	3.54	3.30	6.68	5.60	44.64
1922.....	2.12	1.70	8.05	5.19	2.87	1.05	2.55	5.87	3.47	1.91	1.97	4.96	41.71
1923.....	3.72	2.22	3.65	2.79	2.61	4.07	6.03	4.60	1.74	1.06	2.58	6.37	41.44
1924.....	4.46	1.83	5.05	2.39	3.45	4.88	1.88	3.70	3.11	0.22	1.36	4.15	36.48
1925.....	1.27	2.24	2.32	2.39	2.85	2.25	8.52	3.33	3.48	4.80	5.90	0.73	40.08
1926.....	2.09	3.37	2.60	5.09	6.48	2.34	7.44	7.33	3.65	5.11	2.16	2.37	50.53
1927.....	4.53	2.26	3.68	5.44	4.97	3.68	3.17	3.92	4.11	3.59	7.32	3.55	50.22
1928.....	1.67	3.10	1.06	3.12	1.41	7.76	1.29	1.67	1.65	3.04	4.67	2.40	32.84
1929.....	4.50	2.50	2.83	4.97	9.63	3.76	6.48	1.97	4.33	4.29	4.38	2.08	51.72
1930.....	4.07	2.21	1.77	1.48	0.88	0.92	1.84	1.94	4.00	1.10	1.18	1.04	22.43
1931.....	0.92	1.23	1.98	5.16	2.35	2.83	6.61	3.11	4.55	2.49	2.32	3.26	36.81
1932.....	4.78	2.32	3.47	2.26	1.28	7.72	5.73	5.08	4.87	3.90	2.98	3.89	48.28
1933.....	2.99	2.52	9.82	4.39	8.55	2.55	1.21	4.16	6.58	2.43	1.29	2.90	49.39
Average.....	3.25	2.15	3.99	3.83	4.03	3.81	3.97	3.74	3.70	3.22	3.11	3.14	41.93

TABLE 30.—Precipitation, by Months and Years, at  
Canfield, Mahoning County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916.....	.....	.....	.....	.....	5.22	5.12	3.45	1.49	2.38	2.19	.....	1.96	.....
1917.....	2.33	1.05	1.91	1.97	2.74	5.41	3.63	2.39	2.19	5.74	0.73	1.23	31.32
1918.....	2.41	1.84	2.26	3.97	5.08	1.78	1.93	1.25	3.29	3.26	1.70	2.97	31.74
1919.....	1.70	1.26	2.75	1.93	5.17	1.34	3.20	5.82	2.58	4.78	2.45	1.74	34.72
1920.....	1.62	0.90	1.56	5.87	0.89	6.75	3.02	3.69	1.87	1.48	2.62	1.49	31.76
1921.....	2.78	0.99	3.20	3.72	2.18	3.09	5.49	2.09	4.94	2.69	5.51	1.81	38.49
1922.....	1.35	1.59	4.27	4.71	3.64	2.35	5.52	2.95	2.08	1.65	2.62	2.00	34.73
1923.....	1.91	1.18	2.06	1.56	4.01	1.57	2.65	2.19	2.67	1.32	2.77	5.87	29.76
1924.....	4.39	2.28	2.39	3.26	6.62	5.79	2.01	2.30	7.76	0.31	1.03	2.54	40.68
1925.....	1.49	2.10	2.49	1.07	2.48	4.36	5.16	1.74	4.45	3.90	3.33	0.90	33.47
1926.....	1.56	2.08	1.63	2.23	2.61	4.33	2.73	6.54	6.65	6.13	1.80	2.48	40.77
1927.....	1.54	1.80	2.42	2.43	3.83	3.84	6.43	1.65	2.07	2.37	6.23	6.00	40.61
1928.....	1.52	2.10	2.18	2.37	1.80	7.05	7.19	5.41	0.70	2.37	3.31	1.02	37.02
1929.....	1.66	1.76	3.34	6.31	6.78	3.34	4.58	1.59	3.67	3.04	5.11	1.87	43.05
1930.....	1.17	2.13	2.94	3.44	2.24	3.31	2.58	1.62	3.11	1.99	1.06	1.11	26.70
1931.....	1.17	1.79	1.38	3.58	3.69	4.30	2.25	4.94	2.61	2.08	1.66	3.81	33.26
1932.....	5.25	0.60	2.18	2.38	2.13	4.85	4.90	2.37	1.39	2.87	3.86	2.47	35.25
1933.....	0.91	1.25	5.24	3.39	4.46	1.28	2.02	1.62	2.34	0.91	1.81	3.02	28.25
Average.....	2.04	1.57	2.60	3.19	3.64	3.88	3.82	2.87	3.15	2.73	2.80	2.46	34.80

TABLE 31.—Precipitation, by Months and Years, at Paulding, Paulding County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916.....	4.63	0.68	2.51	2.02	5.98	6.01	1.02	1.28	1.78	1.29	2.07	1.87	31.14
1917.....	.....	0.52	3.98	3.85	4.82	4.14	3.29	1.70	1.67	6.39	0.49	0.59	.....
1918.....	2.04	1.19	.....	.....	3.22	1.97	1.74	1.02	.....	2.01	2.73	4.44	.....
1919.....	.....	1.64	4.02	2.75	4.86	3.34	0.57	2.48	1.73	6.32	.....	0.34	.....
1920.....	1.29	0.18	2.11	4.86	1.79	3.10	4.45	2.00	1.90	3.06	3.35	3.35	31.44
1921.....	1.86	1.26	4.82	3.90	3.40	2.17	2.27	4.04	3.46	3.92	4.26	2.03	37.39
1922.....	1.36	0.89	5.25	3.03	5.86	3.06	3.19	2.64	3.10	1.87	1.64	4.36	36.25
1923.....	2.17	1.38	3.44	2.07	4.61	2.94	7.63	2.42	3.58	1.52	3.27	5.12	40.15
1924.....	2.58	1.09	4.08	2.66	3.87	6.40	1.96	2.28	4.05	0.78	1.22	5.23*	36.20
1925.....	1.10	2.63	5.48	1.47	1.54	3.17	6.13	1.91	5.58	2.83	4.17	1.07	37.08
1926.....	2.12	2.60	2.62	4.41	2.24	3.21	4.37	6.58	6.99	3.15	1.84	1.50	41.63
1927.....	1.65	1.80	3.45	5.98	4.17	2.16	2.63	2.31	2.19	1.50	5.45	3.34	36.63
1928.....	1.71	2.68	1.76	2.50	3.66	4.98	2.49	2.19	0.40	2.26	2.89	2.03	29.55
1929.....	4.36	1.21	3.04	6.06	3.50	4.66	3.58	2.07	3.25	5.57	2.76	3.38	45.44
1930.....	4.84	1.20	2.32	4.02	2.35	3.13	1.00	1.45	4.43	1.30	2.12	0.92	29.08
1931.....	0.83	1.45	2.17	2.66	2.20	4.38	3.72	3.20	2.99	2.15	1.96	3.11	30.82
1932.....	4.30	1.01	1.95	2.36	2.14	2.53	3.19	0.66	4.28	4.23	2.89	5.45	34.99
1933.....	2.48	1.63	4.27	3.57	7.98	1.49	2.75	1.98	7.87	1.56	1.01	2.34	38.93
Average.....	2.46	1.39	3.37	3.42	3.79	3.49	3.11	2.35	3.49	2.87	2.59	2.80	35.78

\*From Wauseon records.

TABLE 32.—Precipitation, by Months and Years, at Batavia, Clermont County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1916.....	6.29	2.39	4.59	1.94	3.93	4.27	1.31	4.97	2.25	2.14	1.97	3.64	39.69
1917.....	4.51	1.59	3.93	3.73	4.44	3.03	4.12	1.84	2.23	3.00	0.63	1.48	34.53
1918.....	5.33	0.95	2.54	2.73	3.94	5.93	1.36	5.88	2.46	3.02	2.15	4.73	41.02
1919.....	1.95	0.87	5.31	3.39	4.74	2.98	3.85	1.76	1.85	9.56	4.64	3.46	44.36
1920.....	4.05	1.59	3.81	6.81	4.04	2.88	5.28	7.15	3.13	1.95	1.60	1.01	43.30
1921.....	1.21	1.66	4.06	4.14	3.73	3.18	2.59	6.51	3.84	1.67	4.54	4.33	41.46
1922.....	1.50	1.54	3.67	4.13	4.09	1.71	2.47	5.07	3.89	2.50	1.74	3.44	35.75
1923.....	3.87	1.99	2.05	2.46	2.29	6.31	3.64	3.72*	0.89	1.34	2.76	7.09	38.41
1924.....	3.33	1.74	2.32	2.28	3.21	6.35	2.28	2.18	3.27	0.34	1.31	2.31	30.92
1925.....	1.39	1.42	1.75	2.71	1.66	1.60	5.27	3.30	4.66	5.51	4.82	0.70	34.79
1926.....	3.36	3.35*	1.78	4.12	6.18	3.28	5.32	8.96	4.24	6.51	1.66	2.56	51.32
1927.....	4.68	2.37	2.50	4.32	5.29	3.53	4.91	7.47	1.57	1.40	7.10	3.78	48.92
1928.....	1.68	3.13	1.48	4.16	0.90	9.58	2.90	3.09	0.82	3.95	2.90	1.83	36.42
1929.....	3.40	1.58	2.01	4.16	9.08	5.17	7.60	1.81	6.17	2.94	4.85	2.57	51.34
1930.....	3.87	2.72	1.68	1.98	1.27	0.80	1.29	1.68	2.60	0.73	1.44	1.32	21.38
1931.....	1.00	1.99	2.02	5.53	2.42	5.34	5.12	9.96	4.55	3.20	2.96	4.27	48.36
1932.....	5.16	1.57	3.01	2.44	1.26	2.76	4.84	4.02	3.12	2.45	1.29	1.73	33.65
1933.....	1.71	1.33	6.77	4.75	10.01	1.37	2.22	4.36	6.18	1.78	1.51	4.23	46.22
Average.....	3.24	1.88	3.07	3.65	4.03	3.89	3.69	4.65	3.21	3.00	2.77	3.03	40.10

\*From Cincinnati records.

TABLE 33.—Precipitation, by Months and Years, at  
Cortland, Trumbull County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1921.....	1.90	2.30	5.83	4.26	2.85	1.56	2.29	1.65	3.98	2.69	5.68	1.81	36.80
1922.....	1.34	1.61	3.31	3.73	3.92	2.56	5.52*	2.95*	4.69	1.53	1.40	2.10	34.66
1923.....	3.45	2.24	2.07	1.79	2.98	4.06	2.94	3.27	2.55	1.30	4.00	4.84	35.49
1924.....	2.95	2.00	2.26	2.99	4.85	6.61	4.79	4.97	13.16	0.26	1.03*	2.54*	48.41
1925.....	1.00	1.74	3.22	1.04	1.53	3.52	6.00	2.40	5.76	4.29	3.21	0.90*	34.61
1926.....	2.10	1.40	1.40	2.10	1.55	3.40	3.31	4.04	12.08	7.36	1.98	2.17	42.89
1927.....	1.12	2.09	4.40	2.63	4.03	2.72	5.12	3.94	1.36	1.85	7.41	5.48	42.15
1928.....	1.59	2.76	4.00	2.95	2.21	6.97	6.16	1.88	0.67	3.94	3.83	0.87	37.83
1929.....	1.85	1.15	4.43	8.16	6.20	2.04	4.97	1.22	2.35	3.29	6.02	1.64	43.32
1930.....	5.02	2.87	1.35	1.17	1.13	2.48	1.44	1.74	1.37	1.25	0.05	0.04	19.91
1931.....	0.90	0.50	1.33	3.28	3.00	3.15	4.70	4.39	2.60	2.40	1.83	4.10	32.18
1932.....	5.26	0.31	1.70	2.70	4.85	2.75	6.30	2.45	0.94	0.98	1.46	1.68	31.38
1933.....	1.42	1.11	4.71	2.94	3.43	1.33	1.26	1.55	2.79	0.70	2.75	3.58	27.57
Average.....	2.30	1.70	3.08	3.06	3.27	3.32	4.21	2.80	4.18	2.45	3.13	2.44	35.94

\*From Canfield records.

TABLE 34.—Precipitation, by Months and Years, at  
St. Clairsville, Belmont County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1925.....	1.75	2.36	2.35	1.66	4.49	3.69	6.34	0.56	2.25	5.97	3.08	0.70	35.20
1926.....	3.25	2.87	0.63	1.65	3.14	3.42	2.80	6.10	5.93	6.16	4.47	1.61	42.03
1927.....	3.81	2.60	1.61	3.89	3.19	2.50	1.64	1.19	1.28	0.81	2.43	1.38	26.33
1928.....	0.81	2.42	1.64	2.94	2.19	7.35	6.55	1.67	1.76	2.89	2.14	3.74	36.10
1929.....	2.32	1.89	2.62	5.88	7.04	2.78	2.66	1.92	3.01	6.95	4.14	1.47	42.68
1930.....	2.29	2.09	1.54	1.32	1.71	0.93	1.33	0.64	3.50	0.47	0.44	0.86	17.12
1931.....	0.75	2.54	1.59	5.36	4.12	5.76	6.17	5.06	5.44	1.94	1.07	3.40	43.20
1932.....	3.44	0.43	1.11	1.02	2.03	3.48	5.13	3.97	2.02	1.78	5.19	7.44	37.04
1933.....	2.56	2.26	6.33	4.78	5.24	1.97	2.43	3.17	4.19	0.27	1.45	2.92	37.57
Average.....	2.33	2.16	2.16	3.17	3.68	3.54	3.89	2.70	3.26	3.03	2.71	2.61	35.25



TABLE 35.—Precipitation, by Months and Years, at  
Fleming, Washington County

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1921.....	2.50	1.73	4.63	2.81	4.31	4.27	4.13	4.44	6.28	1.50	5.77	4.40	46.77
1922.....	2.13	1.88	6.14	3.01	4.75	5.52	5.46	9.10	2.04	3.26	1.05	3.74	48.08
1923.....	3.80	2.84	3.55	3.41	4.14	3.80	5.44	2.89	3.10	1.16	4.07	6.62	44.82
1924.....	4.81	2.80	3.67	2.68	5.22	4.22	2.93	1.91	4.89	0.16	1.98	2.87	38.14
1925.....	2.54	1.17	3.08	1.97	2.84	5.29	5.35	2.40	1.02	4.27	5.47	4.24	39.64
1926.....	1.98	3.36	1.98	1.52	1.45	4.53	8.18	5.61	4.94	4.89	2.85	3.52	44.81
1927.....	4.49	3.11	3.37	5.14	3.43	4.13	6.30	2.81	1.79	1.95	7.22	3.69	47.43
1928.....	1.54	4.17	3.07	3.91	1.62	8.54	4.52	3.13	1.40	3.93	3.46	1.80	41.09
1929.....	3.25	2.55	2.56	3.97	5.74	4.56	2.89	3.11	4.65	4.19	4.40	3.64	45.51
1930.....	2.11	2.77	3.79	1.70	1.06	0.82	0.79	1.65	0.79	1.14	0.67	2.12	19.41
1931.....	1.05	2.15	1.88	5.12	3.47	4.62	1.08	5.06	3.30	2.13	2.19	3.95	36.00
1932.....	5.52	1.49	3.85	1.69	1.03	4.21	6.89	4.25	1.51	2.32	3.78	1.99	38.53
1933.....	3.48	2.05	6.28	4.64	6.67	1.97	3.40	4.84	3.25	0.73	1.07	2.98	41.36
Average.....	3.02	2.47	3.68	3.20	3.52	4.34	4.41	3.94	3.00	2.43	3.38	3.50	40.89

## SUMMARY OF THE WEATHER CONDITIONS AT WOOSTER

The average annual temperature at Wooster for the years of record was 49.7°. The average temperature for the three winter months was 28.6°; for the three spring months, 48.3°; for the three summer months, 69.6°; and for the three fall months, 52.1°. The highest annual mean temperature was 53.3° in 1921 and the lowest, 46.3° in 1917. The warmest month was July, which had an average temperature of 71.7°; the coldest was January with a mean of 27.6°. The warmest single month in the history of the Station was July 1921 with a mean temperature of 76.2°, and the coldest was January 1918, with a mean of 14.2°. The warmest winters were those of 1889-1890 and 1931-1932, when the mean for the three winter months was 37.8°; the coldest winter was that of 1903-1904, when the mean was 20.3°. The warmest summer was that of 1933, when the mean for the three summer months was 72.3°; and the coolest summer was in 1927, with a mean of 66.5°. The highest temperature ever recorded at the Experiment Station was 105° on August 6, 1918; the lowest was 24° below zero, on January 13, 1912.

The average annual precipitation for the 46 years was 38.7 inches. The average precipitation for winter was 8.42 inches; for spring, 10.41 inches; for summer, 11.35 inches; and for autumn, 8.52 inches.

The most precipitation in any one year was 53.94 inches in 1890; the least was 28.78 inches in 1930. The wettest month was July, with an average rainfall of 3.97 inches; the driest was February, with an average of 2.47 inches. The least precipitation for any one month was 0.29 inch in September 1897; the greatest was 11.84 inches in March 1913. In that month 10.15 inches of rain fell in four days causing the worst flood and greatest property loss in the history of Wooster.

The most precipitation for any winter occurred in 1889-1890, when the total for the three months was 14.84 inches; the least was 3.77 inches in 1900-1901. The greatest amount during any crop growing season, April to September, inclusive, was 30.69 inches in 1905; the least, 13.56 inches in 1930. One inch of rainfall is equivalent to 27,154 gallons, or 112.7 tons, per acre.

The average snowfall per year was 35 inches. The most snowfall in any one year was 75 inches, in 1910. The greatest fall per month was 28.5 inches, in February 1910. On April 19 and 20, 1901, 14 to 20 inches of snow fell. This was the greatest snow storm ever known at Wooster so late in the season.

January 12, 1918, known as "that cold Saturday", was the most bitter cold and disagreeable day on record at Wooster to date. The temperature was 34° at 2 o'clock A. M. and 12° below zero at 8 A. M., a fall of 46 degrees in six hours. A very high, cold, penetrating southwest wind prevailed for 24 hours.

The average date of the last killing frost in spring was May 10, and of the first killing frost in fall, October 7. The average length of the growing season was 152 days.

The average number of days with rainfall was 129 per year.

The average number of clear days was 138 per year.

The average number of cloudy days was 146 per year.

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